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January 1971

INDIA - GRAIN PRODUCTION, TRADE AND SUPPLY-  
DISTRIBUTION, FY 1960 THROUGH FY 1970

India's announced goal is self-sufficiency in grains by CY 1972. It hopes to attain this goal by continuing the upward trend in domestic production of grains and other foodstuffs (mainly pulses) and by controlling the population growth rate.

## Summary

India recently has made considerable progress towards self-sufficiency in grains and hopes to eliminate imports under concessional terms after CY 1971. Total grain production increased from 65 million metric tons in FY 1960 to 88 million tons in FY 1970, a 35 percent gain attributable mainly to increased wheat yields and a 12-percent increase in the area sown to grains.

During the 1960's, India annually imported large quantities of wheat and was consistently the largest single recipient of P.L.-480 grains.

## Production

The area devoted to grains increased by almost 11 million hectares during the 11 years covered, an average increase of a million hectares per year. There were significant gains in acreage of all grains except barley--rice increased by 3.9 million hectares, coarse grains by 3.5 million, and wheat by 3.2 million. Wheat production almost doubled, mainly because of increased yields. Rice and coarse grain outturns increased by 27 and 19 percent, respectively.

(Continued)

Wheat yields have increased significantly, especially in the past 3 years, due to a combination of factors--better seed varieties, more irrigation, increased use of fertilizer, higher producer prices, and improved weather conditions. Yields of most other grains have not shown much improvement.

### Trade

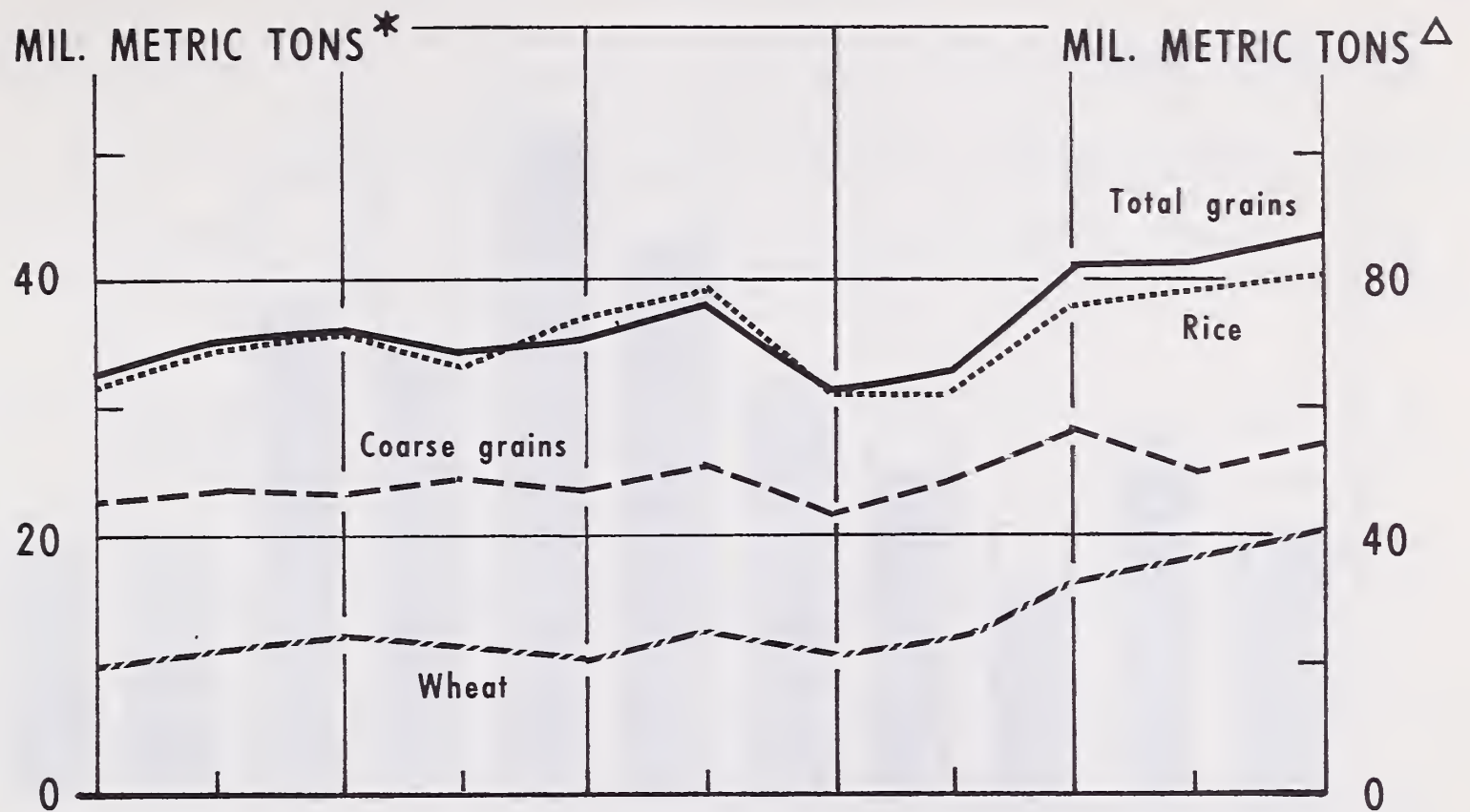
Annual grain imports during FY's 1960-64 averaged 4.3 million tons. FY's 1965, 1966, and 1967 were dry, and imports increased to 7.3, 8.9, and 9.4 million tons, respectively. During the past 3 years (FY's 1968, 1969, 1970), production has increased significantly and imports have declined accordingly. FY 1968, however, was still a year of large imports (8.2 million tons), but the imports were used mostly for building reserve stocks which had been reduced during the dry years.

The U.S. share of the market during the 11-year period was about 80 percent, composed mostly of wheat. The majority of the shipments were made under P.L.-480.

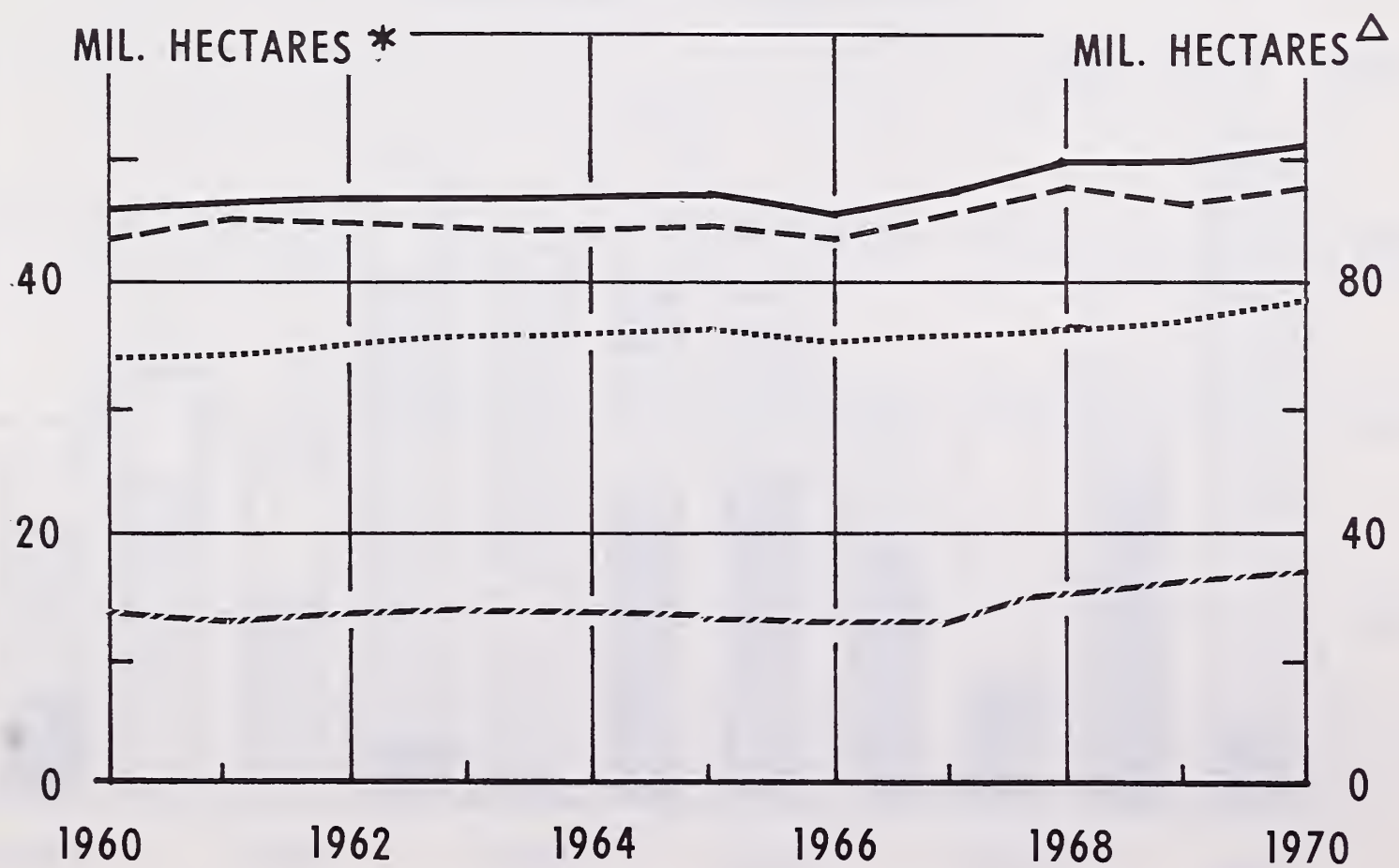


# INDIA

## Grain Production



## Grain Area

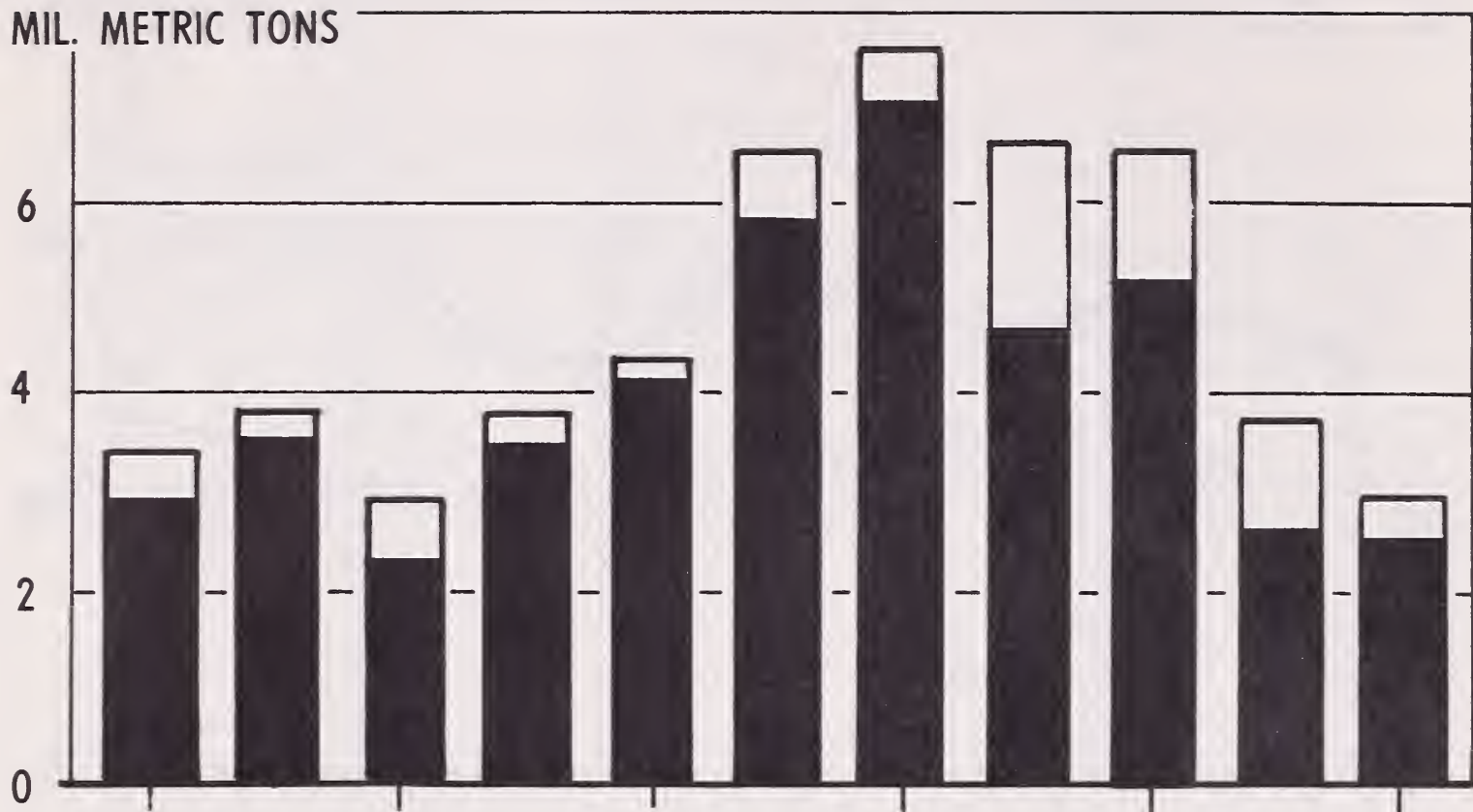


\* SCALE FOR RICE, COARSE GRAINS AND WHEAT.

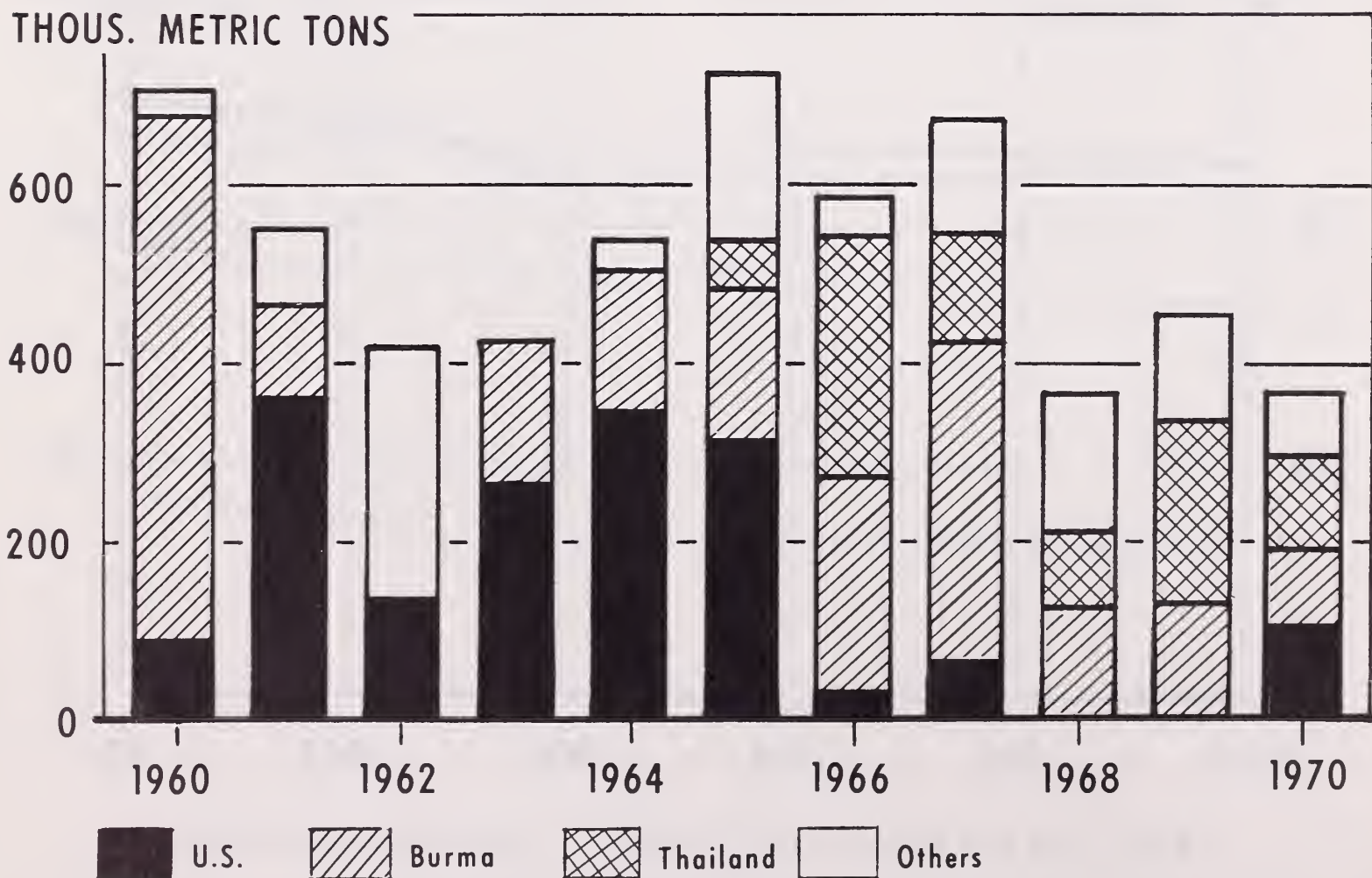
Δ SCALE FOR TOTAL GRAINS.

# INDIA

## Wheat Imports



## Rice Imports (Milled Basis)





India: Production, trade and supply-distribution

| Commodity and year | Beginning:<br>Stocks<br>July 1 1/ | Area<br>2/<br>hectares | Yield<br>2/<br>Q/ha. | Production:<br>2/ | Imports 3/   |       | Exports 2/     |       | Domestic Consumption 1/ |        | Total<br>Supply/<br>Distribution 1/ |
|--------------------|-----------------------------------|------------------------|----------------------|-------------------|--------------|-------|----------------|-------|-------------------------|--------|-------------------------------------|
|                    |                                   |                        |                      |                   | From<br>U.S. | Total | 1,000<br>m. t. | Total | For Feed<br>m. t.       | Total  |                                     |
| Total Grains:      |                                   |                        |                      |                   |              |       |                |       |                         |        |                                     |
| 1959-60            | 1,000                             | 1,000                  |                      | 1,000             | 1,000        | 1,000 | 1,000          | 1,000 | 1,000                   | 1,000  | 1,000                               |
| 1960-61            | 28,470                            | 90,990                 | 7.1                  | 64,873            | 3,142        | 4,318 | --             | 3,245 | 3,245                   | 63,573 | 97,661                              |
| 1961-62            | 34,088                            | 92,018                 | 7.5                  | 69,314            | 4,022        | 4,477 | --             | 3,275 | 3,275                   | 71,252 | 107,879                             |
| 1962-63            | 36,627                            | 92,989                 | 7.6                  | 70,951            | 2,511        | 3,343 | --             | 3,360 | 3,360                   | 74,874 | 110,921                             |
| 1963-64            | 36,047                            | 93,579                 | 7.3                  | 68,623            | 3,925        | 4,407 | --             | 3,570 | 3,570                   | 76,348 | 109,077                             |
| 1964-65            | 32,729                            | 93,235                 | 7.6                  | 70,569            | 4,475        | 4,863 | --             | 3,530 | 3,530                   | 70,185 | 108,161                             |
| 1965-66            | 37,976                            | 94,139                 | 8.2                  | 76,939            | 6,256        | 7,353 | --             | 3,625 | 3,625                   | 83,068 | 122,268                             |
| 1966-67            | 39,200                            | 91,094                 | 6.8                  | 62,230            | 7,882        | 8,944 | --             | 3,280 | 3,280                   | 73,474 | 110,374                             |
| 1967-68            | 36,900                            | 93,181                 | 7.1                  | 65,884            | 6,889        | 9,433 | --             | 3,450 | 3,450                   | 78,517 | 112,217                             |
| 1968-69            | 33,700                            | 98,771                 | 8.4                  | 82,949            | 6,605        | 8,158 | 3              | 4,020 | 4,020                   | 81,804 | 124,807                             |
| 1969-70 (Prel.)    | 43,000                            | 99,165                 | 8.4                  | 83,596            | 2,662        | 4,309 | 11             | 3,940 | 3,940                   | 86,294 | 130,905                             |
| 1970-71 (Prel.)    | 44,600                            | 101,647                | 8.6                  | 87,810            | 2,911        | 3,663 | 23             | 4,150 | 4,150                   | 91,050 | 136,073                             |
| 1970-71 (Prel.)    | 45,000                            |                        |                      |                   |              |       |                |       |                         |        |                                     |
| Wheat and Flour:   |                                   |                        |                      |                   |              |       |                |       |                         |        |                                     |
| 1959-60            | 7,500                             | 13,380                 | 7.7                  | 10,324            | 2,988        | 3,537 | --             | 1,200 | 1,200                   | 10,866 | 21,361                              |
| 1960-61            | 10,495                            | 12,927                 | 8.5                  | 10,997            | 3,544        | 3,815 | --             | 1,200 | 1,200                   | 14,278 | 25,307                              |
| 1961-62            | 11,029                            | 13,570                 | 8.9                  | 12,072            | 2,297        | 2,849 | --             | 1,250 | 1,250                   | 15,108 | 25,950                              |
| 1962-63            | 10,842                            | 13,590                 | 7.9                  | 10,776            | 3,551        | 3,876 | --             | 1,250 | 1,250                   | 16,763 | 25,494                              |
| 1963-64            | 8,731                             | 13,499                 | 7.3                  | 9,853             | 4,083        | 4,281 | --             | 1,250 | 1,250                   | 11,565 | 22,865                              |
| 1964-65            | 11,300                            | 13,422                 | 9.1                  | 12,257            | 5,825        | 6,510 | --             | 1,250 | 1,250                   | 19,667 | 30,067                              |
| 1965-66            | 10,400                            | 12,656                 | 8.2                  | 10,424            | 7,084        | 7,584 | --             | 1,200 | 1,200                   | 17,808 | 28,408                              |
| 1966-67            | 10,600                            | 12,833                 | 8.9                  | 11,393            | 4,638        | 6,565 | --             | 1,200 | 1,200                   | 18,058 | 28,558                              |
| 1967-68            | 10,500                            | 14,998                 | 11.0                 | 16,540            | 5,292        | 6,483 | --             | 1,500 | 1,500                   | 19,023 | 33,523                              |
| 1968-69            | 14,500                            | 15,958                 | 11.7                 | 18,652            | 2,607        | 3,796 | 2              | 1,600 | 1,600                   | 19,946 | 36,943                              |
| 1969-70 (Prel.)    | 17,000                            | 16,626                 | 12.1                 | 20,093            | 2,532        | 3,032 | 2              | 1,600 | 1,600                   | 22,623 | 40,125                              |
| 1970-71 (Prel.)    | 17,500                            |                        |                      |                   |              |       |                |       |                         |        |                                     |
| Rice:              |                                   |                        |                      |                   |              |       |                |       |                         |        |                                     |
| 1959-60            | 12,350                            | 33,820                 | 9.4                  | 31,676            | 88           | 715   | --             | 450   | 450                     | 29,698 | 44,741                              |
| 1960-61            | 15,043                            | 34,128                 | 10.1                 | 34,574            | 363          | 547   | --             | 450   | 450                     | 33,643 | 50,164                              |
| 1961-62            | 16,521                            | 34,694                 | 10.3                 | 35,663            | 138          | 418   | --             | 500   | 500                     | 36,073 | 52,602                              |
| 1962-63            | 16,529                            | 35,695                 | 9.3                  | 33,217            | 264          | 421   | --             | 600   | 600                     | 35,135 | 50,167                              |
| 1963-64            | 15,032                            | 35,809                 | 10.3                 | 36,998            | 351          | 541   | --             | 600   | 600                     | 34,705 | 52,571                              |
| 1964-65            | 17,866                            | 36,364                 | 10.8                 | 39,308            | 319          | 731   | --             | 600   | 600                     | 39,105 | 57,905                              |
| 1965-66            | 18,800                            | 35,273                 | 8.7                  | 30,655            | 35           | 597   | --             | 550   | 550                     | 33,552 | 50,052                              |
| 1966-67            | 16,500                            | 35,251                 | 8.6                  | 30,438            | 63           | 680   | --             | 550   | 550                     | 33,618 | 47,618                              |
| 1967-68            | 14,000                            | 36,437                 | 10.3                 | 37,612            | --           | 362   | 3              | 600   | 600                     | 35,971 | 51,974                              |
| 1968-69            | 16,000                            | 36,966                 | 10.8                 | 39,761            | --           | 458   | 9              | 600   | 600                     | 39,210 | 56,219                              |
| 1969-70 (Prel.)    | 17,000                            | 37,680                 | 10.7                 | 40,430            | 104          | 356   | 21             | 650   | 650                     | 40,765 | 57,786                              |
| 1970-71 (Prel.)    | 17,000                            |                        |                      |                   |              |       |                |       |                         |        |                                     |
| Coarse Grains:     |                                   |                        |                      |                   |              |       |                |       |                         |        |                                     |
| 1959-60            | 8,620                             | 43,790                 | 5.2                  | 22,873            | 66           | 66    | --             | 1,595 | 1,595                   | 23,009 | 31,559                              |
| 1960-61            | 8,550                             | 44,963                 | 5.3                  | 23,743            | 115          | 115   | --             | 1,625 | 1,625                   | 23,331 | 32,408                              |
| 1961-62            | 9,077                             | 44,725                 | 5.2                  | 23,216            | 76           | 76    | --             | 1,610 | 1,610                   | 23,693 | 32,369                              |
| 1962-63            | 8,676                             | 44,294                 | 5.6                  | 24,630            | 110          | 110   | --             | 1,720 | 1,720                   | 24,450 | 33,416                              |
| 1963-64            | 8,966                             | 43,927                 | 5.4                  | 23,718            | 41           | 41    | --             | 1,680 | 1,680                   | 23,915 | 32,725                              |
| 1964-65            | 8,810                             | 44,353                 | 5.7                  | 25,374            | 112          | 112   | --             | 1,775 | 1,775                   | 24,296 | 34,296                              |

India: Production, trade and supply-distribution (continued)

| Commodity and year     | Beginning:<br>Stocks<br>July 1 1/ | Area<br>2/<br>hectares | Yield<br>2/<br>Q/ha. | Production<br>2/<br>m. t. | Imports 3/   |       | Exports 2/<br>m. t. | Domestic Consumption 1/ |        | Total<br>Supply/<br>Distribution 1/ |
|------------------------|-----------------------------------|------------------------|----------------------|---------------------------|--------------|-------|---------------------|-------------------------|--------|-------------------------------------|
|                        |                                   |                        |                      |                           | From<br>U.S. | Total |                     | For Feed<br>m. t.       | Total  |                                     |
| Coarse Grains: (cont.) |                                   |                        |                      |                           |              |       |                     |                         |        |                                     |
| 1965-66                | 1,000                             | 43,165                 | 4.9                  | 21,151                    | 1,000        | 763   | 1,000               | 1,000                   | 1,000  | 1,000                               |
| 1966-67                | 10,000                            | 45,092                 | 5.3                  | 24,053                    | 2,188        | 2,188 | --                  | 1,530                   | 22,114 | 31,914                              |
| 1967-68                | 9,800                             | 47,336                 | 6.1                  | 28,797                    | 1,313        | 1,313 | --                  | 1,700                   | 26,841 | 36,041                              |
| 1968-69                | 9,200                             | 46,241                 | 5.4                  | 25,183                    | 55           | 55    | --                  | 1,920                   | 26,810 | 39,310                              |
| 1969-70 (Prel.)        | 12,500                            | 47,341                 | 5.8                  | 27,287                    | 275          | 275   | --                  | 1,740                   | 27,138 | 37,738                              |
| 1970-71 (Prel.)        | 10,600                            |                        |                      |                           |              |       | --                  | 1,900                   | 27,662 | 38,162                              |
| 1970-71 (Prel.)        | 10,500                            |                        |                      |                           |              |       |                     |                         |        |                                     |
| Corn:                  |                                   |                        |                      |                           |              |       |                     |                         |        |                                     |
| 1959-60                | 750                               | 4,344                  | 9.4                  | 4,073                     | 66           | 66    | --                  | 300                     | 3,844  | 4,889                               |
| 1960-61                | 1,045                             | 4,407                  | 9.3                  | 4,080                     | 62           | 62    | --                  | 300                     | 4,150  | 5,187                               |
| 1961-62                | 1,037                             | 4,507                  | 9.6                  | 4,312                     | 76           | 76    | --                  | 325                     | 4,339  | 5,425                               |
| 1962-63                | 1,086                             | 4,643                  | 9.9                  | 4,607                     | 110          | 110   | --                  | 350                     | 4,667  | 5,803                               |
| 1963-64                | 1,136                             | 4,582                  | 10.0                 | 4,561                     | 41           | 41    | --                  | 350                     | 4,538  | 5,738                               |
| 1964-65                | 1,200                             | 4,618                  | 10.1                 | 4,664                     | 112          | 112   | --                  | 350                     | 4,726  | 5,976                               |
| 1965-66                | 1,250                             | 4,765                  | 10.0                 | 4,760                     | 78           | 78    | --                  | 350                     | 4,838  | 6,088                               |
| 1966-67                | 1,250                             | 5,074                  | 9.6                  | 4,894                     | 94           | 94    | --                  | 350                     | 5,038  | 6,238                               |
| 1967-68                | 1,200                             | 5,583                  | 11.2                 | 6,269                     | 40           | 40    | --                  | 375                     | 6,009  | 7,509                               |
| 1968-69                | 1,500                             | 5,716                  | 10.0                 | 5,701                     | --           | --    | --                  | 390                     | 6,001  | 7,201                               |
| 1969-70 (Prel.)        | 1,200                             | 5,862                  | 9.7                  | 5,674                     | --           | --    | --                  | 400                     | 5,874  | 6,874                               |
| 1970-71 (Prel.)        | 1,000                             |                        |                      |                           |              |       |                     |                         |        |                                     |
| Sorghum and Millet:    |                                   |                        |                      |                           |              |       |                     |                         |        |                                     |
| 1959-60                | 5,870                             | 36,068                 | 4.5                  | 16,083                    | --           | --    | --                  | 1,195                   | 16,558 | 21,953                              |
| 1960-61                | 5,395                             | 37,351                 | 4.5                  | 16,844                    | 53           | 53    | --                  | 1,225                   | 16,507 | 22,292                              |
| 1961-62                | 5,785                             | 36,906                 | 4.3                  | 15,754                    | --           | --    | --                  | 1,185                   | 16,374 | 21,539                              |
| 1962-63                | 5,165                             | 36,632                 | 4.8                  | 17,603                    | --           | --    | --                  | 1,280                   | 16,858 | 22,768                              |
| 1963-64                | 5,910                             | 36,571                 | 4.7                  | 17,119                    | --           | --    | --                  | 1,250                   | 17,009 | 23,029                              |
| 1964-65                | 6,020                             | 37,053                 | 4.9                  | 18,189                    | --           | --    | --                  | 1,335                   | 17,509 | 24,209                              |
| 1965-66                | 6,700                             | 35,767                 | 3.9                  | 14,014                    | 685          | 685   | --                  | 1,090                   | 14,799 | 21,399                              |
| 1966-67                | 6,600                             | 37,193                 | 4.5                  | 16,811                    | 2,094        | 2,094 | --                  | 1,260                   | 19,505 | 25,505                              |
| 1967-68                | 6,000                             | 38,378                 | 5.0                  | 19,024                    | 1,273        | 1,273 | --                  | 1,435                   | 18,297 | 26,297                              |
| 1968-69                | 8,000                             | 37,767                 | 4.5                  | 17,058                    | 55           | 55    | --                  | 1,260                   | 18,613 | 25,113                              |
| 1969-70 (Prel.)        | 6,500                             | 38,714                 | 4.9                  | 18,897                    | 275          | 275   | --                  | 1,400                   | 19,172 | 25,672                              |
| 1970-71 (Prel.)        | 6,500                             |                        |                      |                           |              |       |                     |                         |        |                                     |
| Barley:                |                                   |                        |                      |                           |              |       |                     |                         |        |                                     |
| 1959-60                | 2,000                             | 3,378                  | 8.0                  | 2,717                     | --           | --    | --                  | 100                     | 2,607  | 4,717                               |
| 1960-61                | 2,110                             | 3,205                  | 8.8                  | 2,819                     | --           | --    | --                  | 100                     | 2,674  | 4,929                               |
| 1961-62                | 2,255                             | 3,312                  | 9.5                  | 3,150                     | --           | --    | --                  | 100                     | 2,980  | 5,405                               |
| 1962-63                | 2,425                             | 3,019                  | 8.0                  | 2,420                     | --           | --    | --                  | 90                      | 2,925  | 4,845                               |
| 1963-64                | 1,920                             | 2,774                  | 7.3                  | 2,038                     | --           | --    | --                  | 80                      | 2,368  | 3,958                               |
| 1964-65                | 1,590                             | 2,682                  | 9.4                  | 2,521                     | --           | --    | --                  | 90                      | 2,061  | 4,111                               |
| 1965-66                | 2,050                             | 2,633                  | 9.0                  | 2,377                     | --           | --    | --                  | 90                      | 2,477  | 4,427                               |
| 1966-67                | 1,950                             | 2,825                  | 8.3                  | 2,348                     | --           | --    | --                  | 90                      | 2,298  | 4,298                               |
| 1967-68                | 2,000                             | 3,375                  | 10.4                 | 3,504                     | --           | --    | --                  | 110                     | 2,504  | 5,504                               |
| 1968-69                | 3,000                             | 2,758                  | 8.8                  | 2,424                     | --           | --    | --                  | 90                      | 2,524  | 5,424                               |
| 1969-70 (Prel.)        | 2,900                             | 2,765                  | 9.8                  | 2,716                     | --           | --    | --                  | 100                     | 2,616  | 5,616                               |
| 1970-71 (Prel.)        | 3,000                             |                        |                      |                           |              |       |                     |                         |        |                                     |

1/ Data on stocks, domestic consumption and total supply and distribution are Attache Office estimates. 2/ The acreage, production and yield data are official estimates published annually in the "Estimates of Area and Production of Principal Crops in India, Summary Tables" latest edition is for 1968-69 issued in 1969. Copies of this publication are available in PAS/W. 3/ Foreign trade figures are based on unpublished data received from the Ministry of Food and Agriculture, Government of India.



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1/ Less than 500 metric tons.

**Source:** Data received from the Ministry of Food and Agriculture, Government of India.

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CURRENT SERIAL RECORDS

PHILIPPINES - GRAIN PRODUCTION, TRADE, AND  
SUPPLY-DISTRIBUTION, FY 1960 THROUGH FY 1970

The Philippines has been a large and growing market for imported wheat, and the United States has supplied 85 to 95 percent of the requirements in recent years. During the last 2 fiscal years, however, imports have declined somewhat, due mainly to adverse economic conditions. Rice and corn are important grain crops and domestic production of both is currently about in balance with consumption needs.

Area planted to rice over the 11-year period has remained relatively constant, but corn acreage has shown a growth trend. Production of both rice and corn has increased significantly through the period, over 40 and 70 percent, respectively, due mainly to increased yields. Higher rice yields have been stimulated by better prices, new seed varieties, and better cultural practices.

Imports of all grains peaked at nearly a million tons in FY 1965 and have been declining since that year. The declines that have occurred in rice and corn imports are due to increased domestic production. Wheat imports built up to over one-half million tons in FY 1966 and have averaged 575,000 tons since then.



## Philippines: Grain production, trade and supply-distribution 1/

| Commodity and year      | Beginning      | Area              | Yield | Production     | Imports        |                | Exports        | Domestic Consumption |                | Total Supply/<br>Distribution |
|-------------------------|----------------|-------------------|-------|----------------|----------------|----------------|----------------|----------------------|----------------|-------------------------------|
|                         | Stocks         |                   |       |                | From           | Total          |                | For Feed             | Total          |                               |
|                         | July 1         |                   |       |                | U.S.           |                |                |                      |                |                               |
|                         | 1,000<br>m. t. | 1,000<br>hectares | Q/ha. | 1,000<br>m. t. | 1,000<br>m. t. | 1,000<br>m. t. | 1,000<br>m. t. | 1,000<br>m. t.       | 1,000<br>m. t. | 1,000<br>m. t.                |
| <b>Total Grains:</b>    |                |                   |       |                |                |                |                |                      |                |                               |
| 1959-60 .....           | 423            | 5,152             | 7.0   | 3,592          | 132            | 295            | --             | 441                  | 3,912          | 4,310                         |
| 1960-61 .....           | 398            | 5,243             | 6.9   | 3,614          | 196            | 324            | 5              | 444                  | 4,016          | 4,336                         |
| 1961-62 .....           | 315            | 5,195             | 7.3   | 3,804          | 253            | 558            | 6              | 469                  | 4,145          | 4,677                         |
| 1962-63 .....           | 526            | 5,111             | 7.5   | 3,848          | 193            | 433            | --             | 502                  | 4,350          | 4,807                         |
| 1963-64 .....           | 457            | 4,985             | 7.6   | 3,787          | 190            | 762            | --             | 469                  | 4,464          | 5,006                         |
| 1964-65 .....           | 542            | 5,123             | 7.6   | 3,904          | 270            | 953            | --             | 478                  | 4,569          | 5,399                         |
| 1965-66 .....           | 830            | 5,215             | 7.7   | 4,023          | 451            | 820            | 20             | 509                  | 4,776          | 5,673                         |
| 1966-67 .....           | 877            | 5,254             | 7.9   | 4,147          | 443            | 769            | 20             | 527                  | 4,551          | 5,793                         |
| 1967-68 .....2/         | 1,222          | 5,552             | 8.2   | 4,579          | 584            | 810            | 121            | 602                  | 5,238          | 6,611                         |
| 1968-69 (Prel.) .....   | 1,252          | 5,588             | 8.3   | 4,618          | 476            | 610            | 27             | 696                  | 5,483          | 6,480                         |
| 1969-70 (Prel.) .....   | 970            | 5,533             | 9.8   | 5,404          | 445            | 571            | --             | 756                  | 5,750          | 6,945                         |
| 1970-71 (est.) .....    | 1,195          |                   |       |                |                |                |                |                      |                |                               |
| <b>Wheat and Flour:</b> |                |                   |       |                |                |                |                |                      |                |                               |
| 1959-60 .....           | 40             | --                | --    | --             | 132            | 291            | --             | --                   | 283            | 331                           |
| 1960-61 .....           | 48             | --                | --    | --             | 196            | 324            | --             | --                   | 315            | 372                           |
| 1961-62 .....           | 57             | --                | --    | --             | 253            | 372            | --             | --                   | 350            | 429                           |
| 1962-63 .....           | 79             | --                | --    | --             | 193            | 393            | --             | --                   | 390            | 472                           |
| 1963-64 .....           | 82             | --                | --    | --             | 190            | 448            | --             | --                   | 417            | 530                           |
| 1964-65 .....           | 113            | --                | --    | --             | 195            | 440            | --             | --                   | 465            | 553                           |
| 1965-66 .....           | 88             | --                | --    | --             | 381            | 539            | --             | --                   | 524            | 627                           |
| 1966-67 .....           | 103            | --                | --    | --             | 406            | 508            | --             | --                   | 575            | 611                           |
| 1967-68 .....           | 36             | --                | --    | --             | 515            | 622            | --             | --                   | 609            | 658                           |
| 1968-69 (Prel.) .....   | 49             | --                | --    | --             | 476            | 588            | --             | --                   | 592            | 637                           |
| 1969-70 (Prel.) .....   | 45             | --                | --    | --             | 445            | 560            | --             | --                   | 545            | 605                           |
| 1970-71 (est.) .....    | 60             |                   |       |                |                |                |                |                      |                |                               |
| <b>Rice:</b>            |                |                   |       |                |                |                |                |                      |                |                               |
| 1959-60 .....           | 314            | 3,306             | 7.3   | 2,427          | --             | 4              | --             | 101                  | 2,449          | 2,745                         |
| 1960-61 .....           | 296            | 3,198             | 7.5   | 2,404          | --             | --             | 1              | 83                   | 2,501          | 2,700                         |
| 1961-62 .....           | 198            | 3,179             | 8.0   | 2,538          | --             | 186            | --             | 86                   | 2,584          | 2,922                         |
| 1962-63 .....           | 338            | 3,161             | 8.1   | 2,575          | --             | 40             | --             | 88                   | 2,686          | 2,953                         |
| 1963-64 .....           | 267            | 3,087             | 8.1   | 2,494          | --             | 314            | --             | 88                   | 2,750          | 3,075                         |
| 1964-65 .....           | 325            | 3,200             | 8.1   | 2,591          | 75             | 513            | --             | 91                   | 2,800          | 3,429                         |
| 1965-66 .....           | 629            | 3,109             | 8.5   | 2,643          | 68             | 259            | 20             | 94                   | 2,888          | 3,531                         |
| 1966-67 .....           | 623            | 3,096             | 8.6   | 2,657          | --             | 224            | 20             | 97                   | 2,579          | 3,504                         |
| 1967-68 .....2/         | 905            | 3,304             | 9.0   | 2,960          | 55             | 174            | 121            | 102                  | 3,095          | 4,039                         |
| 1968-69 (Prel.) .....   | 823            | 3,332             | 8.7   | 2,885          | --             | --             | 27             | 106                  | 3,206          | 3,708                         |
| 1969-70 (Prel.) .....   | 475            | 3,113             | 10.9  | 3,396          | --             | --             | --             | 110                  | 3,328          | 3,871                         |
| 1970-71 (est.) .....    | 543            |                   |       |                |                |                |                |                      |                |                               |
| <b>Corn:</b>            |                |                   |       |                |                |                |                |                      |                |                               |
| 1959-60 .....           | 69             | 1,846             | 6.3   | 1,165          | --             | --             | --             | 340                  | 1,180          | 1,234                         |
| 1960-61 .....           | 54             | 2,045             | 5.9   | 1,210          | --             | --             | 4              | 361                  | 1,200          | 1,264                         |
| 1961-62 .....           | 60             | 2,016             | 6.3   | 1,266          | --             | --             | 6              | 383                  | 1,211          | 1,326                         |
| 1962-63 .....           | 109            | 1,950             | 6.5   | 1,273          | --             | --             | --             | 414                  | 1,274          | 1,382                         |
| 1963-64 .....           | 108            | 1,898             | 6.8   | 1,293          | --             | --             | --             | 381                  | 1,297          | 1,401                         |
| 1964-65 .....           | 104            | 1,923             | 6.8   | 1,313          | --             | --             | --             | 387                  | 1,304          | 1,417                         |
| 1965-66 .....           | 113            | 2,106             | 6.6   | 1,380          | 2              | 22             | --             | 415                  | 1,364          | 1,515                         |
| 1966-67 .....           | 151            | 2,158             | 6.9   | 1,490          | 37             | 37             | --             | 430                  | 1,397          | 1,678                         |
| 1967-68 .....           | 281            | 2,248             | 7.2   | 1,619          | 14             | 14             | --             | 500                  | 1,534          | 1,914                         |
| 1968-69 (Prel.) .....   | 380            | 2,256             | 7.7   | 1,733          | --             | 22             | --             | 590                  | 1,685          | 2,135                         |
| 1969-70 (Prel.) .....   | 450            | 2,420             | 8.3   | 2,008          | --             | 11             | --             | 646                  | 1,877          | 2,469                         |
| 1970-71 (est.) .....    | 592            |                   |       |                |                |                |                |                      |                |                               |

1/ Prepared or estimated on the basis of official and unofficial statistics of the Philippine Government, reports of U.S. Agricultural Attache Office, results of office research, and related information. 2/ Revised by the National Economic Council.

Philippines - Grain Imports

| Commodity and country            | FY 1959-60 | FY 1960-61 | FY 1961-62 | FY 1962-63 | FY 1963-64 | FY 1964-65 | FY 1965-66 | FY 1966-67 | FY 1967-68 | FY 1968-69 | FY 1969-70 |
|----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Metric Tons                      |            |            |            |            |            |            |            |            |            |            |            |
| <b>Total Grains:</b>             |            |            |            |            |            |            |            |            |            |            |            |
| United States                    | 132        | 196        | 253        | 193        | 190        | 270        | 451        | 443        | 584        | 476        | 445        |
| Others                           | 163        | 128        | 305        | 240        | 572        | 683        | 369        | 326        | 226        | 134        | 126        |
| Total                            | 295        | 324        | 558        | 433        | 762        | 953        | 820        | 769        | 810        | 610        | 571        |
| <b>Wheat:</b>                    |            |            |            |            |            |            |            |            |            |            |            |
| United States                    | 24         | 157        | 214        | 190        | 179        | 182        | 366        | 397        | 502        | 470        | 440        |
| Canada                           | 25         | 28         | 47         | 186        | 162        | 206        | 91         | 30         | 8          | --         | --         |
| Australia                        | 15         | 7          | --         | --         | 21         | --         | --         | 2          | 14         | 10         | 30         |
| France                           | --         | --         | --         | --         | --         | 8          | --         | --         | --         | 35         | 65         |
| New Zealand                      | --         | --         | --         | --         | --         | --         | --         | --         | --         | --         | 5          |
| Others                           | --         | --         | --         | 2          | --         | --         | --         | --         | --         | --         | --         |
| Total                            | 64         | 192        | 261        | 378        | 362        | 396        | 457        | 429        | 524        | 515        | 540        |
| <b>Flour: (Grain Equivalent)</b> |            |            |            |            |            |            |            |            |            |            |            |
| United States                    | 108        | 39         | 39         | 3          | 11         | 13         | 15         | 9          | 13         | 6          | 5          |
| Australia                        | 6          | 26         | 3          | 11         | 49         | 25         | 1          | 1          | 1          | 1          | 1          |
| EC                               | --         | --         | --         | 1          | --         | 6          | 32         | 56         | 68         | 62         | 12         |
| Japan                            | --         | --         | --         | --         | --         | --         | 17         | 13         | 13         | --         | --         |
| Others                           | 113        | 67         | 69         | --         | 26         | --         | 17         | --         | 3          | 4          | 2          |
| Total                            | 227        | 132        | 111        | 15         | 86         | 44         | 82         | 79         | 98         | 73         | 20         |
| <b>Rice:</b>                     |            |            |            |            |            |            |            |            |            |            |            |
| United States                    | --         | --         | --         | --         | --         | 75         | 68         | --         | 55         | --         | --         |
| Thailand                         | --         | --         | 140        | 20         | 122        | 130        | 169        | 83         | 68         | --         | --         |
| Burma                            | --         | --         | 24         | 20         | 96         | 270        | --         | 51         | 15         | --         | --         |
| Vietnam, South                   | --         | --         | --         | --         | 86         | --         | --         | --         | --         | --         | --         |
| Others                           | 4          | --         | 22         | --         | 10         | 38         | 22         | 90         | 36         | --         | --         |
| Total                            | 4          | --         | 186        | 40         | 314        | 513        | 259        | 224        | 174        | --         | --         |
| <b>Corn:</b>                     |            |            |            |            |            |            |            |            |            |            |            |
| United States                    | --         | --         | --         | --         | --         | --         | 2          | 37         | 14         | --         | --         |
| Thailand                         | --         | --         | --         | --         | --         | --         | 20         | --         | --         | 22         | 11         |
| Total                            | --         | --         | --         | --         | --         | --         | 22         | 37         | 14         | 22         | 11         |

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## JAPANESE GRAIN TRENDS --

FY 1960 THROUGH FY 1970

### Imports and Consumption

Japan is the largest single country market for grains in the world. The import growth rate since 1960 has been phenomenal. Imports expanded from 4 million metric tons in 1960 to 14.5 million in 1970 -- an annual average increase of nearly a million tons. Changing dietary habits have been responsible for the increase in grain imports. There has been a shift toward reduced rice consumption and increased consumption of wheat products (i.e. bread, noodles, and pastries) and livestock products (i.e. poultry, pork, and beef). Japan has limited land with which to expand coarse grain production; hence, imports have had to expand to satisfy increased demand for livestock feed.

### U.S. Exports to Japan

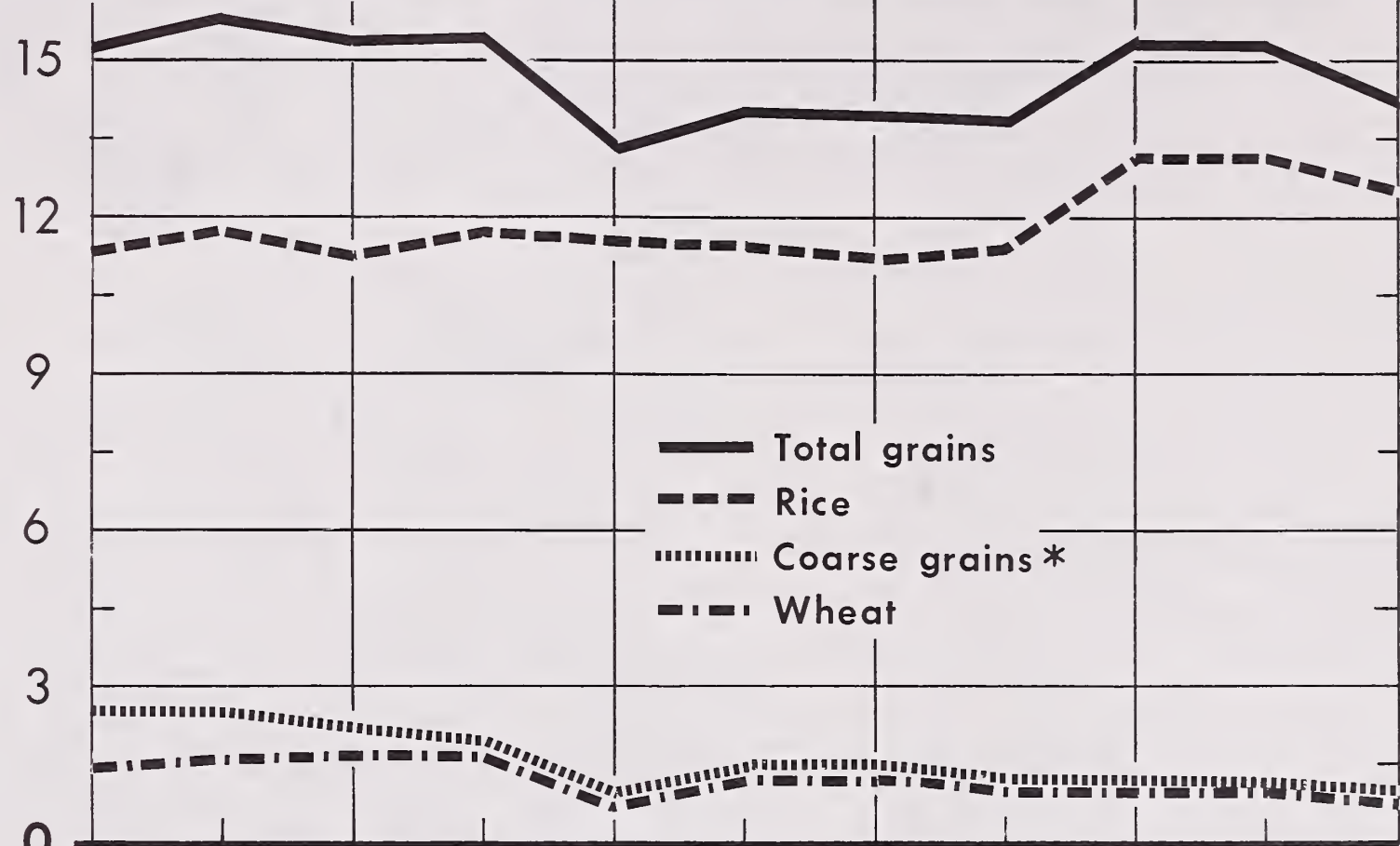
Japan is also the largest single country market for U.S. grains. During 1970, Japan took almost 25 percent of total U.S. grain exports, 15 percent of wheat/wheat flour shipments, and 35 percent of coarse grain shipments. The U.S. share of the market for total grains nearly doubled from 1960 to 1970 -- from just over 30 percent at the beginning of the period to 60 percent at the end.

Wheat imports by Japan during the period covered may be separated into three fairly distinctive time periods: FY 1960-1963, FY 1964-1966, and FY 1967-1970. During each of the three periods, imports tended to level off at averages of 2.7, 3.7, and 4.2 million tons, respectively. Wheat

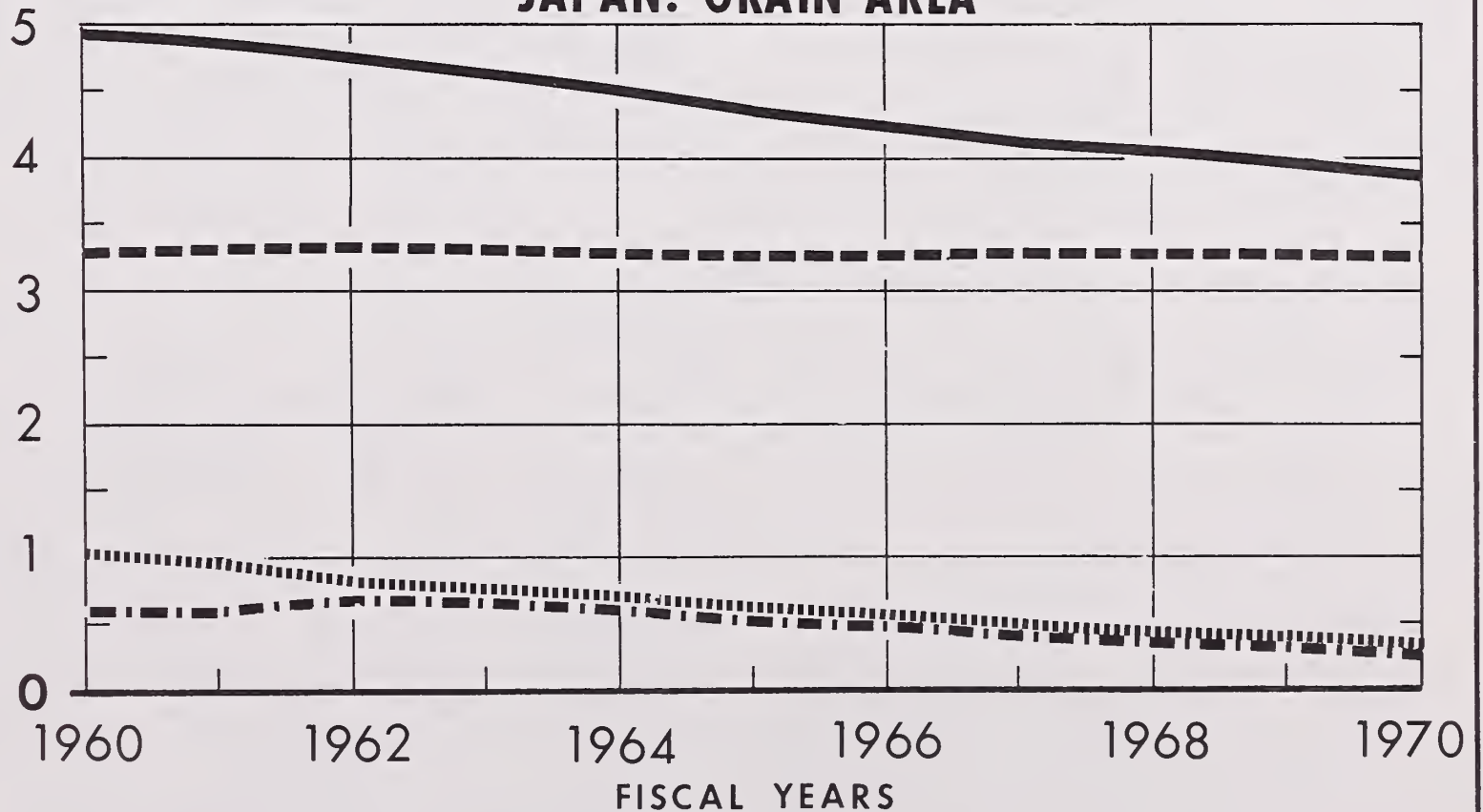
(Continued)

## JAPAN: GRAIN PRODUCTION

MIL. METRIC TONS



## JAPAN: GRAIN AREA

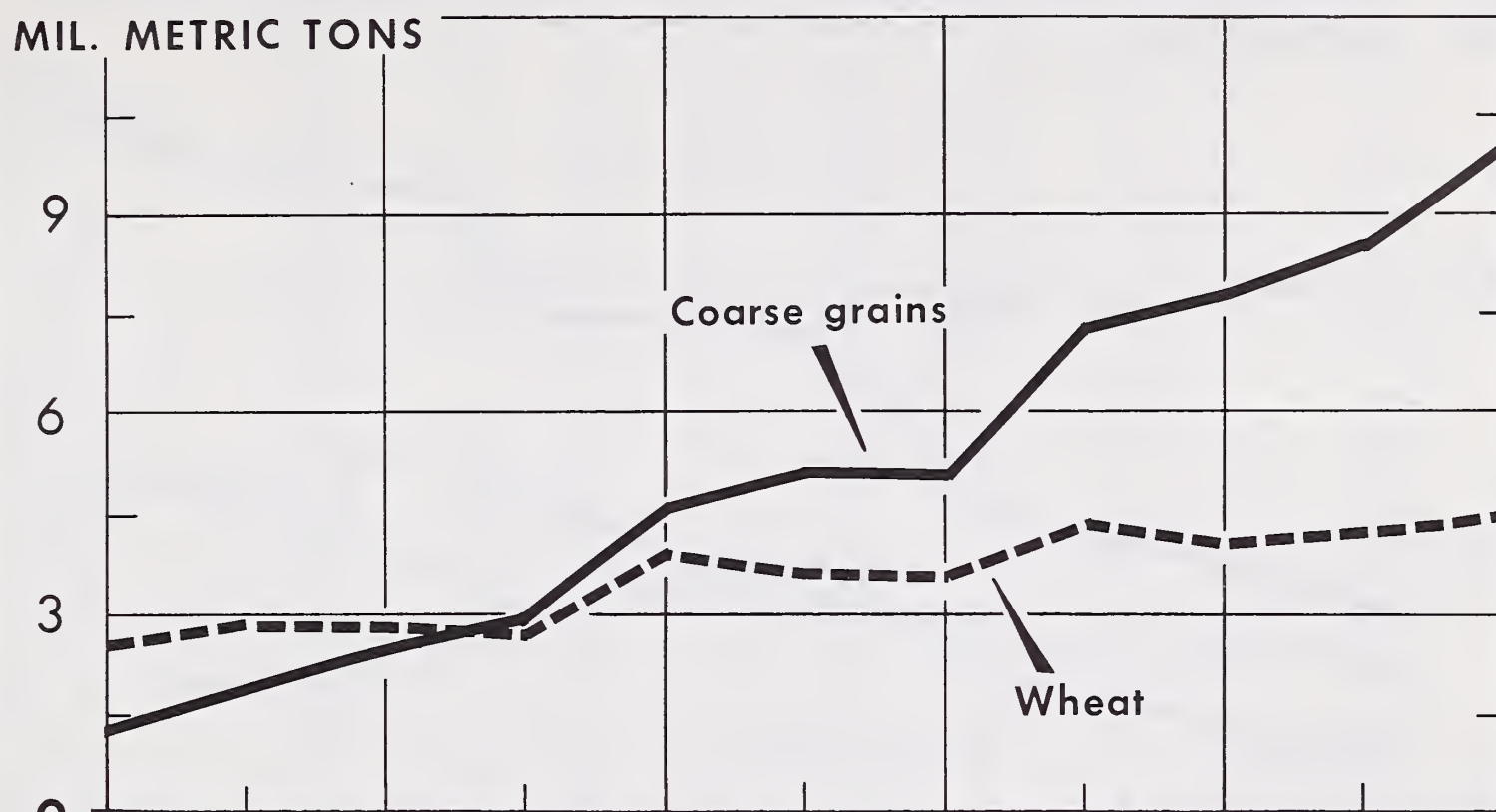


SOURCE: MINISTRY OF AGRICULTURE AND FORESTRY.  
\* INCLUDES CORN, SORGHUM, BARLEY, OATS, AND RYE.

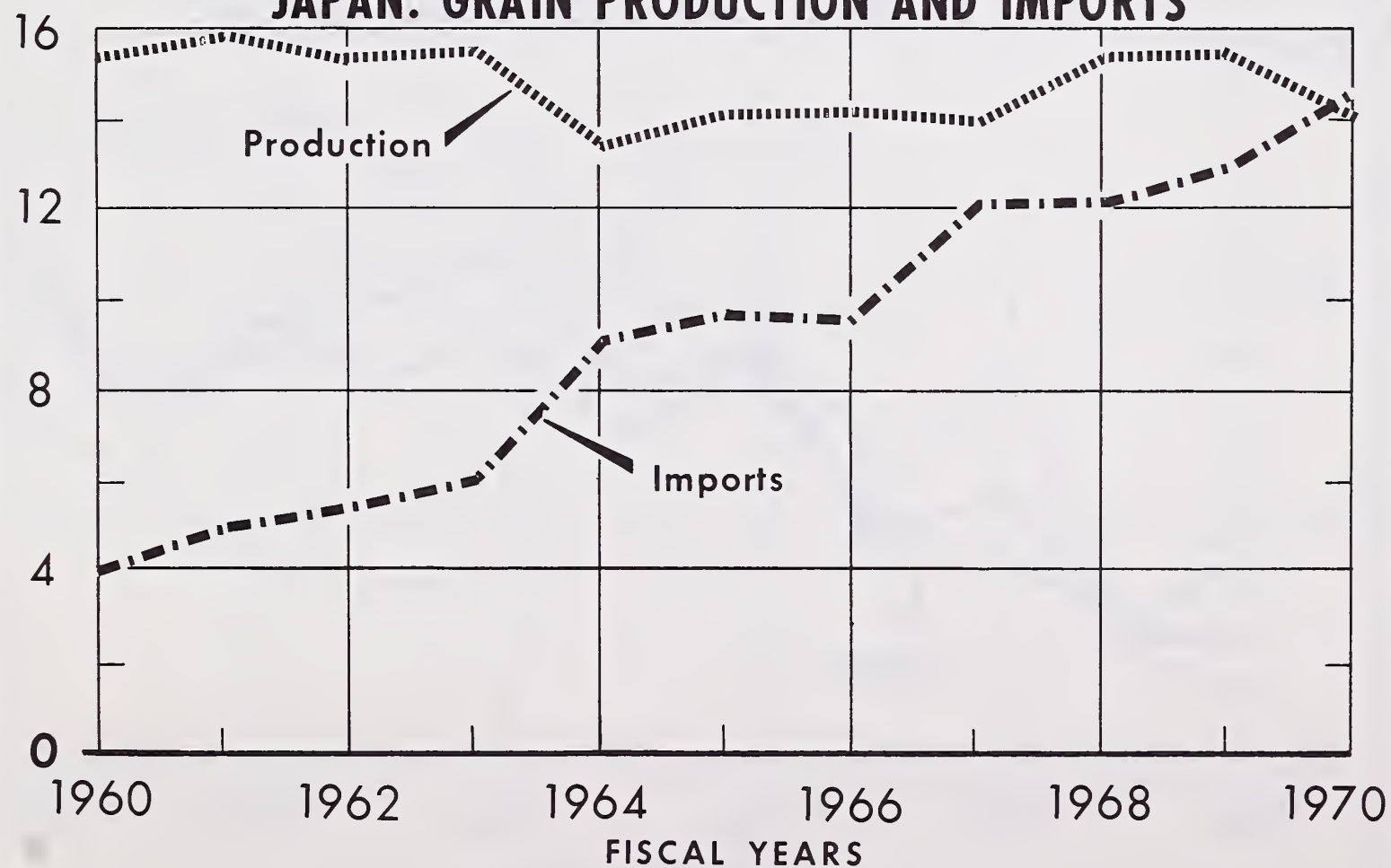
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## JAPAN: IMPORTS OF WHEAT AND COARSE GRAINS

MIL. METRIC TONS



## JAPAN: GRAIN PRODUCTION AND IMPORTS



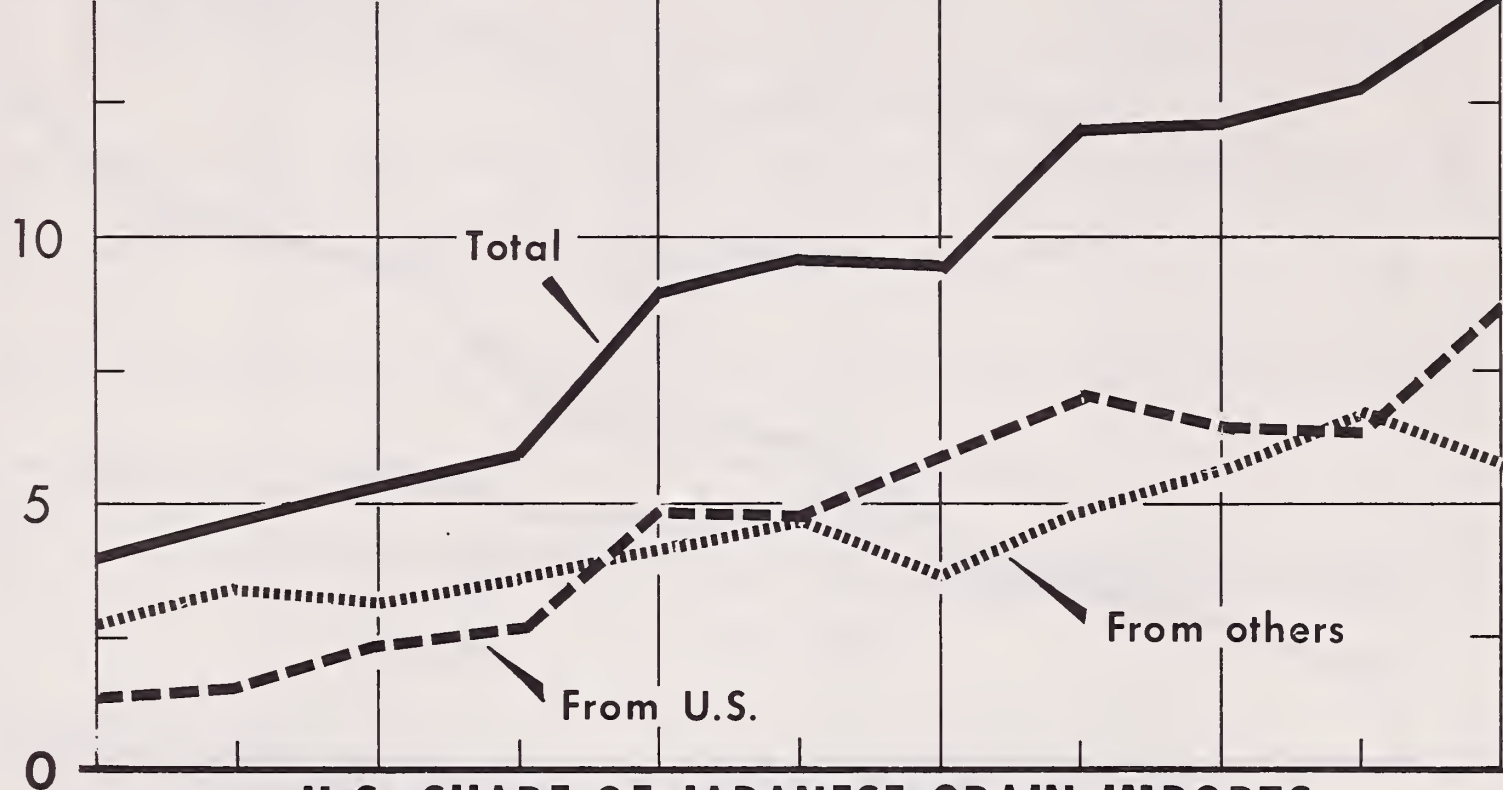
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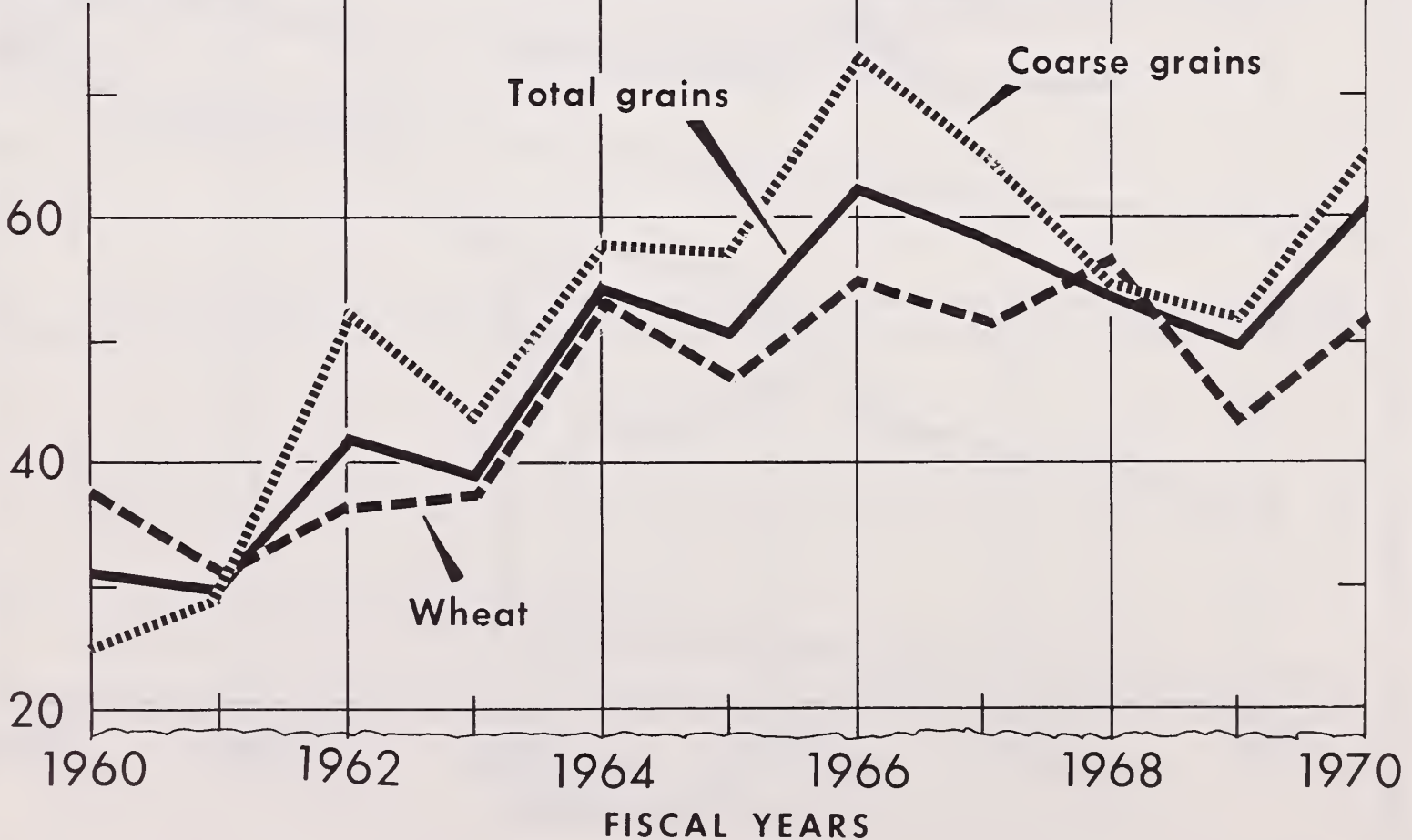
# JAPAN: TOTAL GRAIN IMPORTS FROM U.S. AND OTHERS

MIL. METRIC TONS



## U.S. SHARE OF JAPANESE GRAIN IMPORTS

PERCENT



SOURCE: MINISTRY OF AGRICULTURE AND FORESTRY.

U.S. DEPARTMENT OF AGRICULTURE / FOREIGN AGRICULTURAL SERVICE / GRAIN AND FEED DIVISION / COMMODITY ANALYSIS BRANCH

| Commodity and year          | Beginning: |          | Area  | Yield  | Production | Imports |       | Exports | Domestic Consumption: |        | Total Supply/<br>Distribution |
|-----------------------------|------------|----------|-------|--------|------------|---------|-------|---------|-----------------------|--------|-------------------------------|
|                             | Stocks     |          |       |        |            | From    | Total |         | For                   | Total  |                               |
|                             | July 1     |          |       |        |            | U.S.    |       |         | Feed                  |        |                               |
|                             | m. t.      | hectares | Q/ha. | m. t.  | m. t.      | m. t.   | m. t. | m. t.   | m. t.                 | m. t.  | m. t.                         |
| <b>Total Grains:</b>        |            |          |       |        |            |         |       |         |                       |        |                               |
| 1959-60                     | 1,000      | 1,000    |       | 1,000  | 1,000      | 1,000   | 1,000 | 1,000   | 1,000                 | 1,000  | 1,000                         |
| 1960-61                     | 2,613      | 4,874    | 32.4  | 15,811 | 1,403      | 4,799   | 50    | 2,983   | 20,495                | 23,223 |                               |
| 1961-62                     | 2,678      | 4,768    | 33.2  | 15,346 | 2,232      | 5,316   | 80    | 3,446   | 20,679                | 23,340 |                               |
| 1962-63                     | 2,581      | 4,668    | 33.1  | 15,452 | 2,262      | 5,782   | 72    | 4,064   | 21,458                | 23,815 |                               |
| 1963-64                     | 2,285      | 4,537    | 29.5  | 13,389 | 4,810      | 8,896   | 76    | 4,688   | 22,079                | 24,570 |                               |
| 1964-65                     | 2,415      | 4,353    | 32.4  | 14,106 | 4,912      | 9,540   | 76    | 5,412   | 23,384                | 26,061 |                               |
| 1965-66                     | 2,601      | 4,247    | 33.0  | 14,027 | 5,898      | 9,510   | 87    | 5,078   | 23,036                | 28,755 |                               |
| 1966-67                     | 2,965      | 4,143    | 33.5  | 13,892 | 6,942      | 11,898  | 74    | 7,028   | 25,199                | 28,755 |                               |
| 1967-68                     | 3,482      | 4,049    | 37.9  | 15,343 | 6,442      | 12,029  | 118   | 7,125   | 25,367                | 30,854 |                               |
| 1968-69                     | 5,369      | 3,977    | 38.5  | 15,326 | 6,190      | 12,692  | 386   | 7,935   | 26,370                | 33,387 |                               |
| 1969-70 (Prel.)             | 6,631      | 3,892    | 36.4  | 14,150 | 8,771      | 14,489  | 551   | 9,160   | 26,957                | 35,270 |                               |
| 1970-71 (Prel.)             | 7,762      |          |       |        |            |         |       |         |                       |        |                               |
| <b>Wheat and Flour:</b>     |            |          |       |        |            |         |       |         |                       |        |                               |
| 1959-60                     | 780        | 601      | 23.6  | 1,416  | 935        | 2,565   | 23    | 373     | 4,088                 | 4,761  |                               |
| 1960-61                     | 650        | 602      | 25.4  | 1,531  | 873        | 2,833   | 50    | 339     | 4,189                 | 5,014  |                               |
| 1961-62                     | 775        | 648      | 27.5  | 1,781  | 1,002      | 2,777   | 80    | 153     | 4,173                 | 5,333  |                               |
| 1962-63                     | 1,080      | 642      | 25.4  | 1,631  | 985        | 2,662   | 72    | 250     | 4,401                 | 5,373  |                               |
| 1963-64                     | 900        | 584      | 12.3  | 716    | 2,078      | 3,918   | 76    | 218     | 4,458                 | 5,534  |                               |
| 1964-65                     | 1,000      | 508      | 24.5  | 1,244  | 1,680      | 3,557   | 76    | 330     | 4,725                 | 5,801  |                               |
| 1965-66                     | 1,000      | 476      | 27.0  | 1,287  | 1,929      | 3,525   | 86    | 205     | 4,751                 | 5,812  |                               |
| 1966-67                     | 975        | 421      | 24.3  | 1,024  | 2,204      | 4,260   | 73    | 196     | 4,971                 | 6,259  |                               |
| 1967-68                     | 1,215      | 367      | 27.2  | 997    | 2,259      | 4,028   | 116   | 250     | 5,074                 | 6,240  |                               |
| 1968-69                     | 1,050      | 322      | 31.4  | 1,012  | 1,824      | 4,183   | 79    | 243     | 5,166                 | 6,245  |                               |
| 1969-70 (Prel.)             | 1,000      | 287      | 26.4  | 758    | 2,278      | 4,424   | 47    | 291     | 5,275                 | 6,182  |                               |
| 1970-71 (Prel.)             | 860        |          |       |        |            |         |       |         |                       |        |                               |
| <b>Rice:</b> 3/             |            |          |       |        |            |         |       |         |                       |        |                               |
| 1959-60                     | 1,900      | 3,289    | 34.6  | 11,376 | --         | 206     | --    | 248     | 11,996                | 13,482 |                               |
| 1960-61                     | 1,486      | 3,308    | 35.4  | 11,701 | --         | 140     | --    | 593     | 11,901                | 13,327 |                               |
| 1961-62                     | 1,426      | 3,301    | 34.2  | 11,301 | --         | 173     | --    | 162     | 11,909                | 12,900 |                               |
| 1962-63                     | 991        | 3,285    | 36.0  | 11,838 | --         | 177     | --    | 200     | 12,115                | 13,006 |                               |
| 1963-64                     | 891        | 3,272    | 35.6  | 11,659 | 106        | 410     | --    | 62      | 12,061                | 12,960 |                               |
| 1964-65                     | 899        | 3,260    | 35.1  | 11,451 | 222        | 880     | --    | 169     | 12,186                | 13,230 |                               |
| 1965-66                     | 1,044      | 3,255    | 34.7  | 11,292 | 224        | 893     | --    | 78      | 11,880                | 13,229 |                               |
| 1966-67                     | 1,349      | 3,254    | 35.6  | 11,593 | 97         | 475     | --    | 374     | 11,700                | 13,422 |                               |
| 1967-68                     | 1,722      | 3,263    | 40.3  | 13,152 | --         | 298     | --    | 324     | 11,555                | 15,172 |                               |
| 1968-69                     | 3,617      | 3,280    | 40.1  | 13,149 | --         | 52      | 300   | 360     | 11,580                | 16,818 |                               |
| 1969-70 (Prel.)             | 4,938      | 3,274    | 38.1  | 12,473 | --         | 15      | 500   | 388     | 10,888                | 17,426 |                               |
| 1970-71 (Prel.)             | 6,038      |          |       |        |            |         |       |         |                       |        |                               |
| <b>Total Coarse Grains:</b> |            |          |       |        |            |         |       |         |                       |        |                               |
| 1959-60                     | 477        | 1,022    | 25.3  | 2,589  | 307        | 1,203   | --    | 1,775   | 3,792                 | 4,269  |                               |
| 1960-61                     | 477        | 964      | 26.8  | 2,579  | 530        | 1,826   | --    | 2,624   | 4,405                 | 4,882  |                               |
| 1961-62                     | 477        | 819      | 27.6  | 2,264  | 1,230      | 2,366   | --    | 3,273   | 4,597                 | 5,107  |                               |
| 1962-63                     | 510        | 741      | 26.8  | 1,983  | 1,277      | 2,943   | --    | 3,772   | 4,942                 | 5,436  |                               |
| 1963-64                     | 494        | 681      | 14.9  | 1,014  | 2,626      | 4,568   | --    | 4,450   | 5,560                 | 6,076  |                               |
| 1964-65                     | 516        | 585      | 24.1  | 1,411  | 2,910      | 5,103   | 4/    | 4,863   | 6,473                 | 7,030  |                               |
| 1965-66                     | 557        | 516      | 28.1  | 1,448  | 3,745      | 5,092   | 1     | 4,853   | 6,455                 | 7,097  |                               |
| 1966-67                     | 641        | 468      | 27.2  | 1,270  | 4,641      | 7,163   | 1     | 6,804   | 8,528                 | 9,074  |                               |
| 1967-68                     | 545        | 419      | 28.5  | 1,194  | 4,183      | 7,703   | 2     | 6,849   | 8,738                 | 9,442  |                               |
| 1968-69                     | 702        | 375      | 31.1  | 1,165  | 4,366      | 8,457   | 7     | 7,666   | 9,624                 | 10,324 |                               |
| 1969-70 (Prel.)             | 693        | 331      | 27.8  | 919    | 6,493      | 10,050  | 4     | 8,843   | 10,794                | 11,662 |                               |
| 1970-71 (Prel.)             | 864        |          |       |        |            |         |       |         |                       |        |                               |
| <b>Corn:</b>                |            |          |       |        |            |         |       |         |                       |        |                               |
| 1959-60                     | 185        | 48       | 21.7  | 104    | 229        | 1,018   | --    | 1,022   | 1,122                 | 1,307  |                               |
| 1960-61                     | 185        | 44       | 25.7  | 113    | 416        | 1,703   | --    | 1,721   | 1,821                 | 2,006  |                               |
| 1961-62                     | 185        | 43       | 27.0  | 116    | 977        | 2,110   | --    | 2,120   | 2,221                 | 2,411  |                               |
| 1962-63                     | 190        | 42       | 24.8  | 104    | 735        | 2,396   | --    | 2,345   | 2,495                 | 2,690  |                               |
| 1963-64                     | 195        | 39       | 26.7  | 104    | 1,435      | 3,076   | --    | 2,842   | 3,132                 | 3,375  |                               |
| 1964-65                     | 243        | 36       | 23.3  | 84     | 1,711      | 3,223   | --    | 2,895   | 3,287                 | 3,550  |                               |

| Commodity and year       | Beginning:         | Area     | Yield | Production: | Imports        |       | Exports | Domestic Consumption: |       | Total Supply/<br>Distribution |
|--------------------------|--------------------|----------|-------|-------------|----------------|-------|---------|-----------------------|-------|-------------------------------|
|                          | Stocks :<br>July 1 |          |       |             | From :<br>U.S. | Total |         | For Feed :<br>2/      | Total |                               |
|                          | 1,000              | 1,000    |       | 1,000       | 1,000          | 1,000 | 1,000   | 1,000                 | 1,000 | 1,000                         |
|                          | m. t.              | hectares | q/ha. | m. t.       | m. t.          | m. t. | m. t.   | m. t.                 | m. t. | m. t.                         |
| <b>Corn: (continued)</b> |                    |          |       |             |                |       |         |                       |       |                               |
| 1965-66 .....            | 263                | 30       | 25.0  | 75          | 1,946          | 2,887 | --      | 2,414                 | 2,956 | 3,225                         |
| 1966-67 .....            | 269                | 26       | 24.2  | 63          | 2,096          | 3,837 | --      | 3,289                 | 3,989 | 4,169                         |
| 1967-68 .....            | 180                | 21       | 29.0  | 61          | 2,097          | 4,582 | --      | 3,502                 | 4,450 | 4,823                         |
| 1968-69 .....            | 373                | 18       | 28.3  | 51          | 2,556          | 5,287 | 6       | 4,295                 | 5,375 | 5,711                         |
| 1969-70 (Prel.) .....    | 330                | 14       | 28.6  | 40          | 4,536          | 5,975 | 3       | 4,841                 | 5,927 | 6,345                         |
| 1970-71 (Prel.) .....    | 415                |          |       |             |                |       |         |                       |       |                               |
| <b>Sorghum:</b>          |                    |          |       |             |                |       |         |                       |       |                               |
| 1959-60 .....            | 75                 | 2        | 10.0  | 2           | 5              | 9     | --      | 11                    | 11    | 86                            |
| 1960-61 .....            | 75                 | 2        | 10.0  | 2           | 114            | 114   | --      | 116                   | 116   | 191                           |
| 1961-62 .....            | 75                 | 1        | 20.0  | 2           | 253            | 254   | --      | 256                   | 256   | 331                           |
| 1962-63 .....            | 75                 | 1        | 10.0  | 1           | 542            | 542   | --      | 544                   | 544   | 618                           |
| 1963-64 .....            | 74                 | 1        | 10.0  | 1           | 910            | 984   | --      | 966                   | 978   | 1,059                         |
| 1964-65 .....            | 81                 | 1        | 10.0  | 1           | 993            | 1,310 | --      | 1,188                 | 1,302 | 1,392                         |
| 1965-66 .....            | 90                 | 1        | 10.0  | 1           | 1,555          | 1,704 | --      | 1,596                 | 1,612 | 1,795                         |
| 1966-67 .....            | 183                | --       | --    | --          | 2,309          | 2,651 | --      | 2,633                 | 2,651 | 2,834                         |
| 1967-68 .....            | 183                | --       | --    | --          | 1,986          | 2,434 | --      | 2,464                 | 2,482 | 2,617                         |
| 1968-69 .....            | 135                | --       | --    | --          | 1,799          | 2,438 | --      | 2,391                 | 2,411 | 2,573                         |
| 1969-70 (Prel.) .....    | 162                | --       | --    | --          | 1,948          | 3,228 | --      | 3,055                 | 3,140 | 3,390                         |
| 1970-71 (Prel.) .....    | 250                |          |       |             |                |       |         |                       |       |                               |
| <b>Barley:</b>           |                    |          |       |             |                |       |         |                       |       |                               |
| 1959-60 .....            | 200                | 893      | 25.8  | 2,308       | 73             | 175   | --      | 586                   | 2,483 | 2,683                         |
| 1960-61 .....            | 200                | 838      | 27.5  | 2,301       | --             | --    | --      | 640                   | 2,301 | 2,501                         |
| 1961-62 .....            | 200                | 692      | 28.6  | 1,976       | --             | --    | --      | 746                   | 1,946 | 2,176                         |
| 1962-63 .....            | 230                | 613      | 28.2  | 1,726       | --             | --    | --      | 746                   | 1,746 | 1,956                         |
| 1963-64 .....            | 210                | 565      | 13.4  | 759         | 281            | 495   | --      | 497                   | 1,284 | 1,464                         |
| 1964-65 .....            | 180                | 478      | 25.2  | 1,203       | 206            | 536   | 4/      | 648                   | 1,729 | 1,919                         |
| 1965-66 .....            | 190                | 422      | 29.2  | 1,234       | 243            | 431   | 1       | 665                   | 1,684 | 1,855                         |
| 1966-67 .....            | 170                | 388      | 28.5  | 1,105       | 235            | 558   | 1       | 686                   | 1,672 | 1,833                         |
| 1967-68 .....            | 150                | 352      | 29.3  | 1,032       | 99             | 581   | 2       | 696                   | 1,601 | 1,773                         |
| 1968-69 .....            | 170                | 316      | 32.3  | 1,021       | 9              | 639   | 1       | 810                   | 1,649 | 1,830                         |
| 1969-70 (Prel.) .....    | 180                | 283      | 28.7  | 812         | 6              | 703   | 1       | 755                   | 1,514 | 1,695                         |
| 1970-71 (Prel.) .....    | 180                |          |       |             |                |       |         |                       |       |                               |
| <b>Oats:</b>             |                    |          |       |             |                |       |         |                       |       |                               |
| 1959-60 .....            | 17                 | 78       | 22.2  | 173         | --             | 1     | --      | 156                   | 174   | 191                           |
| 1960-61 .....            | 17                 | 79       | 20.4  | 161         | --             | 4     | --      | 147                   | 165   | 182                           |
| 1961-62 .....            | 17                 | 82       | 20.5  | 168         | --             | 2     | --      | 151                   | 172   | 187                           |
| 1962-63 .....            | 15                 | 84       | 17.9  | 150         | --             | 5     | --      | 137                   | 155   | 170                           |
| 1963-64 .....            | 15                 | 75       | 19.7  | 148         | --             | 6     | --      | 138                   | 157   | 169                           |
| 1964-65 .....            | 12                 | 69       | 17.5  | 121         | --             | 14    | --      | 114                   | 133   | 147                           |
| 1965-66 .....            | 14                 | 62       | 22.1  | 137         | 1              | 13    | --      | 133                   | 154   | 164                           |
| 1966-67 .....            | 10                 | 54       | 13.9  | 102         | 1              | 18    | --      | 103                   | 118   | 130                           |
| 1967-68 .....            | 12                 | 46       | 22.0  | 101         | 1              | 23    | --      | 106                   | 122   | 136                           |
| 1968-69 .....            | 14                 | 41       | 22.7  | 93          | 4/             | 45    | --      | 120                   | 137   | 152                           |
| 1969-70 (Prel.) .....    | 15                 | 34       | 19.7  | 67          | 1              | 101   | --      | 149                   | 167   | 183                           |
| 1970-71 (Prel.) .....    | 16                 |          |       |             |                |       |         |                       |       |                               |
| <b>Rye:</b>              |                    |          |       |             |                |       |         |                       |       |                               |
| 1959-60 .....            | --                 | 1        | 20.0  | 2           | --             | --    | --      | --                    | 2     | 2                             |
| 1960-61 .....            | --                 | 1        | 20.0  | 2           | --             | --    | --      | --                    | 2     | 2                             |
| 1961-62 .....            | --                 | 1        | 20.0  | 2           | --             | --    | --      | --                    | 2     | 2                             |
| 1962-63 .....            | --                 | 1        | 20.0  | 2           | --             | --    | --      | --                    | 2     | 2                             |
| 1963-64 .....            | --                 | 1        | 20.0  | 2           | --             | 7     | --      | 7                     | 9     | 9                             |
| 1964-65 .....            | --                 | 1        | 20.0  | 2           | --             | 20    | --      | 18                    | 22    | 22                            |
| 1965-66 .....            | --                 | 1        | 10.0  | 1           | 4/             | 57    | --      | 45                    | 49    | 58                            |
| 1966-67 .....            | 9                  | --       | --    | --          | 4/             | 99    | --      | 95                    | 98    | 108                           |
| 1967-68 .....            | 10                 | --       | --    | --          | 4/             | 83    | --      | 81                    | 83    | 93                            |
| 1968-69 .....            | 10                 | --       | --    | --          | 2              | 48    | --      | 50                    | 52    | 58                            |
| 1969-70 (Prel.) .....    | 6                  | --       | --    | --          | 2              | 43    | --      | 43                    | 46    | 49                            |
| 1970-71 (Prel.) .....    | 3                  |          |       |             |                |       |         |                       |       |                               |

1/ Prepared or estimated on the basis of official and/or unofficial statistics of the Japanese government, reports from the U.S. Agricultural Attache Office, results of office research, and other related information. 2/ Includes animal feed and loss. 3/ Data on Japanese Rice Year (November-October). 4/ Less than 500 metric tons.



Japan - Imports by Major Countries of Origin

| Country of origin            | FY 1959-60 | FY 1960-61 | FY 1961-62 | FY 1962-63 | FY 1963-64 | FY 1964-65 | FY 1965-66 | FY 1966-67 | FY 1967-68 | FY 1968-69 | FY 1969-70 |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| -----1,000 Metric Tons-----  |            |            |            |            |            |            |            |            |            |            |            |
| <b>Total Grains:</b>         |            |            |            |            |            |            |            |            |            |            |            |
| United States .....          | 1,242      | 1,403      | 2,232      | 2,262      | 4,810      | 4,812      | 5,898      | 6,942      | 6,442      | 6,190      | 8,771      |
| Canada .....                 | 1,253      | 1,546      | 1,360      | 1,233      | 1,416      | 1,585      | 1,466      | 1,891      | 1,648      | 1,238      | 1,422      |
| Australia .....              | 446        | 364        | 401        | 387        | 625        | 628        | 384        | 625        | 721        | 1,410      | 1,232      |
| Argentina .....              | 293        | 304        | 269        | 52         | 140        | 312        | 86         | 248        | 144        | 549        | 1,504      |
| Others .....                 | 740        | 1,182      | 1,054      | 1,848      | 1,905      | 2,203      | 1,676      | 2,192      | 3,074      | 3,305      | 1,560      |
| Total .....                  | 3,974      | 4,799      | 5,316      | 5,782      | 8,896      | 9,540      | 9,510      | 11,898     | 12,029     | 12,692     | 14,489     |
| <b>Wheat and Flour:</b>      |            |            |            |            |            |            |            |            |            |            |            |
| United States .....          | 935        | 873        | 1,002      | 985        | 2,078      | 1,680      | 1,929      | 2,204      | 2,259      | 1,824      | 2,278      |
| Canada .....                 | 1,193      | 1,546      | 1,360      | 1,233      | 1,330      | 1,395      | 1,256      | 1,621      | 1,164      | 1,154      | 1,118      |
| Australia .....              | 404        | 360        | 399        | 382        | 501        | 452        | 340        | 435        | 604        | 1,160      | 982        |
| Argentina .....              | --         | --         | --         | --         | --         | 2          | --         | --         | --         | 18         | --         |
| Others .....                 | 33         | 54         | 16         | 62         | 9          | 23         | --         | --         | 1          | 27         | 46         |
| Total .....                  | 2,565      | 2,833      | 2,777      | 2,662      | 3,918      | 3,557      | 3,525      | 4,260      | 4,028      | 4,183      | 4,424      |
| <b>Rice: (JRY Nov.-Oct.)</b> |            |            |            |            |            |            |            |            |            |            |            |
| United States .....          | --         | --         | --         | --         | 106        | 222        | 224        | 97         | --         | --         | --         |
| Taiwan .....                 | 80         | 70         | 50         | 50         | 116        | 254        | 169        | 53         | 61         | --         | --         |
| Mainland China .....         | --         | --         | --         | --         | --         | 160        | 313        | 178        | 135        | --         | --         |
| Thailand .....               | 65         | 34         | 63         | 90         | 113        | 140        | 84         | 125        | 87         | 52         | 15         |
| Burma .....                  | 47         | 6          | 20         | 20         | 35         | 40         | 30         | --         | 15         | --         | --         |
| Others .....                 | 14         | 30         | 40         | 17         | 40         | 54         | 73         | 22         | --         | --         | --         |
| Total .....                  | 206        | 140        | 173        | 177        | 410        | 880        | 893        | 475        | 298        | 52         | 15         |
| <b>Total Coarse Grains:</b>  |            |            |            |            |            |            |            |            |            |            |            |
| United States .....          | 307        | 530        | 1,230      | 1,277      | 2,626      | 2,910      | 3,745      | 4,641      | 4,183      | 4,366      | 6,493      |
| Canada .....                 | 60         | --         | --         | --         | 86         | 190        | 210        | 270        | 484        | 84         | 304        |
| Australia .....              | 42         | 4          | 2          | 5          | 124        | 176        | 44         | 190        | 117        | 250        | 250        |
| Argentina .....              | 293        | 304        | 269        | 52         | 140        | 310        | 86         | 243        | 144        | 531        | 1,504      |
| Others .....                 | 501        | 988        | 865        | 1,609      | 1,592      | 1,517      | 1,007      | 1,814      | 2,775      | 3,226      | 1,499      |
| Total .....                  | 1,203      | 1,826      | 2,366      | 2,943      | 4,568      | 5,103      | 5,092      | 7,163      | 7,703      | 8,457      | 10,050     |
| <b>Corn:</b>                 |            |            |            |            |            |            |            |            |            |            |            |
| United States .....          | 229        | 416        | 977        | 735        | 1,435      | 1,711      | 1,946      | 2,096      | 2,097      | 2,556      | 4,536      |
| Argentina .....              | 293        | 304        | 269        | 52         | 70         | 14         | 2          | 27         | 49         | 69         | 337        |
| Thailand .....               | 209        | 426        | 357        | 401        | 503        | 736        | 711        | 737        | 551        | 521        | 543        |
| South Africa .....           | 146        | 376        | 430        | 975        | 827        | 259        | 1/         | 108        | 1,149      | 1,444      | 183        |
| Others .....                 | 141        | 186        | 77         | 233        | 241        | 503        | 228        | 869        | 736        | 697        | 371        |
| Total .....                  | 1,018      | 1,708      | 2,110      | 2,396      | 3,076      | 3,223      | 2,887      | 3,837      | 4,582      | 5,287      | 5,975      |
| <b>Sorghum:</b>              |            |            |            |            |            |            |            |            |            |            |            |
| United States .....          | 5          | 114        | 253        | 542        | 910        | 993        | 1,555      | 2,309      | 1,986      | 1,799      | 1,948      |
| Canada .....                 | --         | --         | --         | --         | --         | 1          | 1          | 4          | 3          | 16         | 21         |
| Australia .....              | 1/         | 1/         | 1/         | --         | 1          | 2          | 1          | 18         | 21         | 68         | 33         |
| Argentina .....              | 1/         | 1/         | 1/         | 1/         | 70         | 296        | 79         | 221        | 92         | 461        | 1,167      |
| Thailand .....               | --         | --         | --         | --         | --         | 10         | 54         | 47         | 20         | 15         | 28         |
| South Africa .....           | 3          | 1/         | 1/         | 1/         | 1/         | 1          | 1          | 5          | 238        | 62         | 6          |
| Others .....                 | 1          | --         | --         | --         | 3          | 6          | 13         | 47         | 69         | 17         | 25         |
| Total .....                  | 9          | 114        | 254        | 542        | 984        | 1,310      | 1,704      | 2,651      | 2,434      | 2,438      | 3,228      |
| <b>Barley:</b>               |            |            |            |            |            |            |            |            |            |            |            |
| United States .....          | 73         | --         | --         | --         | 281        | 205        | 243        | 235        | 99         | 9          | 6          |
| Canada .....                 | 60         | --         | --         | --         | 80         | 169        | 156        | 167        | 390        | 23         | 242        |
| Australia .....              | 41         | --         | --         | --         | 117        | 161        | 32         | 155        | 80         | 139        | 117        |
| France .....                 | --         | --         | --         | --         | 13         | --         | --         | 1/         | 12         | 463        | 337        |
| Others .....                 | 1          | --         | --         | --         | 4          | 1          | --         | 1          | --         | --         | 1          |
| Total .....                  | 175        | --         | --         | --         | 495        | 536        | 431        | 558        | 581        | 639        | 703        |
| <b>Oats:</b>                 |            |            |            |            |            |            |            |            |            |            |            |
| United States .....          | --         | --         | --         | --         | --         | --         | 1          | 1          | 1          | 1/         | 1          |
| Canada .....                 | --         | --         | --         | --         | --         | --         | 1          | --         | 3          | --         | --         |
| Australia .....              | 1          | 4          | 2          | 5          | 6          | 13         | 11         | 17         | 16         | 43         | 100        |
| Argentina .....              | --         | --         | --         | --         | --         | --         | --         | --         | 3          | 1          | --         |
| Others .....                 | --         | --         | --         | --         | --         | 1          | --         | --         | --         | 1          | --         |
| Total .....                  | 1          | 4          | 2          | 5          | 6          | 14         | 13         | 18         | 23         | 45         | 101        |
| <b>Rye:</b>                  |            |            |            |            |            |            |            |            |            |            |            |
| United States .....          | --         | --         | --         | --         | --         | --         | 1/         | 1/         | 1/         | 2          | 2          |
| Canada .....                 | --         | --         | --         | --         | 6          | 20         | 52         | 99         | 83         | 45         | 41         |
| Argentina .....              | --         | --         | --         | --         | --         | --         | 5          | --         | --         | --         | --         |
| Others .....                 | --         | --         | --         | --         | 1          | --         | --         | --         | --         | 1          | --         |
| Total .....                  | --         | --         | --         | --         | 7          | 20         | 57         | 99         | 83         | 48         | 43         |

1/ Less than 500 metric tons.

Source: Japan Imports and Exports.

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production declined from around 1.5 million tons in 1960 to about 700 thousand tons in 1970. Thus, self-sufficiency dropped from 35 percent in 1960 to 15 percent in 1970.

Coarse grain imports registered a significant increase every year from 1960 to 1970, except 1966. Production, however, dwindled from about 2.5 million tons at the beginning of the period to under 1 million tons at the end. Thus, self-sufficiency dropped from almost 70 percent in 1960 to under 10 percent in 1970. The increased amounts of imported coarse grains were needed to feed the greatly expanded livestock numbers (especially dairy cattle, hogs, and poultry).

Rice imports began during the period at about 200 thousand tons, peaked at almost 900 thousand tons in 1966, and then dwindled to about 15 thousand tons of specialty (glutinous) rice. In fact, Japan in the last couple of years has been a significant net exporter of rice. An excess supply of rice is currently a serious agricultural problem for Japan. Several means of reducing rice stocks are being attempted, including acreage reduction and diversion to other crops through financial incentives, limiting the quantity of rice that the Government will purchase at the guaranteed prices, and increasing exports.

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# FOREIGN AGRICULTURE CIRCULAR



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CURRENT SERIAL RECORDS

GRAIN  
FG 4-71  
February 1971

## 1970 WORLD CORN PRODUCTION

### ESTIMATED DOWN 2 PERCENT

World corn production in 1970 is estimated at 242 million metric tons, 2 percent below the 1969 record and the second largest crop of record. World corn area at 107 million hectares was up about 3 percent.

Canada produced a record corn crop at 2.5 million tons, sharply above the poor 1969 harvest, as area gained 22 percent. Corn production in the United States is estimated at 104.2 million tons, 10 percent below 1969 and 14 percent below the 1967 record. Area was 6 percent over 1969 but 4 percent below that of 1967. The U.S. yield was off sharply, a result of a heavy infection of southern corn leaf blight, drought in the western Corn Belt, heavy second-brood infestation of the European corn borer throughout the Corn Belt, and unusually wet harvesting conditions in several areas. Mexico had a more normal corn harvest after the poor crop of a year ago.

The 1970 corn crop in Western Europe totaled 16.4 million tons, up 18 percent, and that of the EC was 12.7 million tons, up 20 percent. France, Italy and Spain all had record crops, up 30, 7 and 18 percent, respectively -- mainly on increased harvested areas.

(Continued)



## CORN: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1964-68, ANNUAL 1969 AND 1970 1/

| REGION AND COUNTRY          | AREA 2/      |             |             | YIELD        |       |         | PRODUCTION   |             |             |
|-----------------------------|--------------|-------------|-------------|--------------|-------|---------|--------------|-------------|-------------|
|                             | AVE. 1964-68 | 1969        | 1970 3/     | AVE. 1964-68 | 1969  | 1970 3/ | AVE. 1964-68 | 1969        | 1970 3/     |
|                             | 1,000<br>HA  | 1,000<br>HA | 1,000<br>HA | QU/HA        | QU/HA | QU/HA   | 1,000<br>MT  | 1,000<br>MT | 1,000<br>MT |
| <b>NORTH AMERICA:</b>       |              |             |             |              |       |         |              |             |             |
| CANADA.....                 | 328          | 396         | 482         | 51.8         | 47.1  | 52.9    | 1,698        | 1,865       | 2,549       |
| COSTA RICA.....             | 63           | 67          | 70          | 10.9         | 10.1  | 10.7    | 69           | 68          | 75          |
| EL SALVADOR.....            | 192          | 192         | 200         | 11.7         | 14.5  | 15.5    | 224          | 279         | 310         |
| GUATEMALA.....              | 739          | 839         | ---         | 9.4          | 8.8   | ---     | 696          | 736         | ---         |
| HONDURAS.....               | 418          | 412         | ---         | 8.9          | 9.2   | ---     | 370          | 380         | ---         |
| MEXICO.....                 | 7,477        | 7,250       | ---         | 10.9         | 9.0   | ---     | 8,160        | 6,500       | ---         |
| NICARAGUA.....              | 208          | 209         | 230         | 8.9          | 8.7   | 8.3     | 185          | 182         | 190         |
| PANAMA.....                 | 105          | 100         | ---         | 7.9          | 7.8   | ---     | 83           | 78          | ---         |
| UNITED STATES.....          | 22,992       | 22,085      | 23,469      | 46.0         | 52.7  | 44.4    | 105,868      | 116,282     | 104,245     |
| TOTAL 4/.....               | 32,681       | 31,708      | 33,448      | 35.9         | 39.9  | 34.9    | 117,473      | 126,495     | 116,879     |
| <b>SOUTH AMERICA:</b>       |              |             |             |              |       |         |              |             |             |
| ARGENTINA.....              | 3,346        | 4,017       | ---         | 20.1         | 23.3  | ---     | 6,720        | 9,360       | ---         |
| BRAZIL.....                 | 9,087        | 10,400      | 11,000      | 13.2         | 13.6  | ---     | 11,985       | 14,100      | ---         |
| CHILE.....                  | 78           | 74          | ---         | 33.4         | 32.4  | ---     | 261          | 240         | ---         |
| COLOMBIA.....               | 811          | 355         | 865         | 10.9         | 11.0  | 11.0    | 884          | 940         | 950         |
| ECUADOR.....                | 210          | 215         | ---         | 8.3          | 9.8   | ---     | 174          | 210         | ---         |
| PERU.....                   | 365          | 360         | 380         | 15.5         | 16.7  | 16.6    | 603          | 600         | 630         |
| URUGUAY.....                | 194          | 183         | ---         | 5.8          | 7.6   | ---     | 112          | 139         | ---         |
| VENEZUELA.....              | 517          | 639         | ---         | 11.1         | 10.5  | ---     | 572          | 670         | 725         |
| TOTAL 4/.....               | 14,995       | 17,153      | 17,804      | 14.5         | 15.6  | 15.2    | 21,756       | 26,739      | 27,095      |
| <b>EUROPE:</b>              |              |             |             |              |       |         |              |             |             |
| FRANCE.....                 | 952          | 1,184       | 1,463       | 40.6         | 48.3  | 50.7    | 3,869        | 5,723       | 7,420       |
| GERMANY, WEST.....          | 35           | 81          | 97          | 43.9         | 49.4  | 51.5    | 154          | 400         | 500         |
| ITALY.....                  | 1,014        | 1,000       | 1,027       | 36.0         | 45.1  | 46.7    | 3,655        | 4,506       | 4,801       |
| TOTAL EC.....               | 2,001        | 2,265       | 2,587       | 38.4         | 46.9  | 49.2    | 7,678        | 10,629      | 12,721      |
| AUSTRIA.....                | 58           | 117         | 124         | 47.9         | 59.7  | 55.2    | 278          | 698         | 684         |
| GREECE.....                 | 143          | 147         | 159         | 23.0         | 29.3  | 33.1    | 329          | 430         | 527         |
| PORTUGAL.....               | 465          | 429         | 407         | 11.8         | 12.9  | 14.3    | 549          | 552         | 580         |
| SPAIN.....                  | 496          | 525         | 650         | 24.7         | 30.0  | 28.5    | 1,227        | 1,576       | 1,854       |
| TOTAL WESTERN EUROPE.....   | 3,163        | 3,483       | 3,927       | 31.8         | 39.9  | 41.7    | 10,061       | 13,885      | 16,366      |
| BULGARIA.....               | 582          | 578         | 700         | 31.8         | 41.0  | 40.0    | 1,848        | 2,371       | 2,800       |
| CZECHOSLOVAKIA.....         | 157          | 124         | 140         | 28.1         | 39.9  | 37.1    | 442          | 495         | 520         |
| HUNGARY.....                | 1,229        | 1,268       | 1,300       | 29.7         | 37.3  | 36.0    | 3,653        | 4,732       | 4,680       |
| ROMANIA.....                | 3,296        | 3,293       | 2,700       | 21.0         | 23.3  | 24.1    | 6,911        | 7,676       | 6,500       |
| YUGOSLAVIA.....             | 2,490        | 2,397       | 2,356       | 28.0         | 32.6  | 29.7    | 6,974        | 7,821       | 7,000       |
| TOTAL EASTERN EUROPE.....   | 7,755        | 7,660       | 7,196       | 25.6         | 30.2  | 29.9    | 19,828       | 23,095      | 21,500      |
| TOTAL EUROPE.....           | 10,918       | 11,143      | 11,123      | 27.4         | 33.2  | 34.0    | 29,888       | 36,980      | 37,866      |
| U.S.S.R. 5/.....            | 3,791        | 4,200       | 4,500       | 20.6         | 23.6  | 24.2    | 7,793        | 9,900       | 10,900      |
| <b>AFRICA:</b>              |              |             |             |              |       |         |              |             |             |
| KENYA.....                  | 1,173        | 1,140       | ---         | 12.2         | 12.3  | ---     | 1,433        | 1,400       | ---         |
| MOROCCO.....                | 452          | 465         | 493         | 5.9          | 7.2   | 5.6     | 266          | 333         | 276         |
| SOUTH AFRICA, REP OF.....   | 5,377        | 5,036       | ---         | 11.1         | 10.6  | ---     | 5,962        | 6,424       | ---         |
| UAR-EGYPT.....              | 630          | 635         | ---         | 34.7         | 35.2  | ---     | 2,183        | 2,300       | ---         |
| TOTAL 4/.....               | 14,879       | 15,648      | 15,785      | 12.0         | 11.6  | 12.6    | 17,796       | 18,102      | 19,821      |
| <b>ASIA:</b>                |              |             |             |              |       |         |              |             |             |
| CHINA, REP OF (TAIWAN)..... | 21           | 19          | 22          | 23.9         | 23.7  | 25.0    | 50           | 45          | 55          |
| INDIA.....                  | 5,151        | 5,500       | 6,000       | 10.2         | 10.3  | 10.8    | 5,256        | 5,679       | 6,500       |
| INDONESIA.....              | 3,158        | 3,150       | 3,134       | 9.5          | 10.8  | 9.8     | 3,009        | 3,400       | 3,066       |
| JAPAN.....                  | 26           | 14          | 12          | 25.7         | 28.6  | 25.0    | 67           | 40          | 30          |
| PAKISTAN.....               | 565          | 650         | 675         | 10.9         | 10.1  | 10.0    | 618          | 659         | 676         |
| PHILIPPINES.....            | 2,138        | 2,420       | 2,500       | 7.0          | 8.3   | 8.0     | 1,507        | 2,008       | 2,000       |
| THAILAND.....               | 623          | 720         | 730         | 18.8         | 23.6  | 27.4    | 1,171        | 1,700       | 2,000       |
| TURKEY.....                 | 663          | 659         | 650         | 14.2         | 15.2  | 15.4    | 940          | 1,000       | 1,000       |
| TOTAL 4/.....               | 23,198       | 24,150      | 24,739      | 11.3         | 11.8  | 11.9    | 26,201       | 28,455      | 29,548      |
| <b>OCEANIA:</b>             |              |             |             |              |       |         |              |             |             |
| AUSTRALIA.....              | 78           | 74          | ---         | 20.6         | 30.6  | ---     | 161          | 226         | ---         |
| NEW ZEALAND.....            | 5            | 8           | ---         | 57.6         | 57.5  | ---     | 29           | 46          | ---         |
| TOTAL 4/.....               | 83           | 83          | ---         | 22.9         | 32.8  | ---     | 190          | 272         | ---         |
| TOTAL WORLD 4/.....         | 100,545      | 104,084     | 107,489     | 22.0         | 23.7  | 22.6    | 221,097      | 246,943     | 242,405     |

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1970 is combined with estimates for the Southern Hemisphere harvest which begins late in 1970 and ends early in 1971. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Estimated totals include allowances for producing countries not shown. 5/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

The East European harvest is placed at 21.5 million tons, down 7 percent. The Bulgarian crop was substantially higher because of expanded area. The Romanian crop was down sharply due to May floods, while the Yugoslav yield was reduced by cold, wet early-season weather. Corn production in the Soviet Union is estimated at 10.9 million tons, up 10 percent, on larger area.

The Asian corn crop is estimated at 29.5 million tons, up 4 percent. India's harvest of 6.5 million tons was 14 percent above last year's good outturn. Indonesia's corn production declined, but Thailand's was somewhat improved from a year earlier.

It is too early to forecast corn production in the Southern Hemisphere. However, a larger planted area in Brazil would indicate a larger crop. Argentina's planted area is estimated 7 percent above last season, but average harvest and yield conditions would suggest a crop somewhat below last year's big outturn.

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FOREIGN AGRICULTURAL SERVICE

GRAIN  
FG 5-71  
March 1971

MAY 21 1971

WORLD WHEAT AND RYE

CURRENT SERIAL RECORDS

PRODUCTION MODERATELY LOWER

## WHEAT

World wheat production in 1970 is estimated at 285 million metric tons, one percent below the 1969 crop, on the basis of information available to the Foreign Agricultural Service. The current crop was four percent above the 1964-68 average. World wheat area was down five percent for the year.

Canada produced 9.0 million tons of wheat in 1970, 52 percent below the previous year, as area was cut in half under the Lower Inventory for Tomorrow program. The United States had a 37.5 million-ton harvest, six percent below 1969, while area declined seven percent. Yield was at a record level, up one percent.

The South American wheat crop is placed at 7.8 million tons, 23 percent below the previous year. The Argentine harvest of 4.23 million tons was the lowest since 1960, as area was sharply reduced by early-season drought. Brazil's crop is estimated at a record 1.5 million tons, up 31 percent on increased area.

The West European wheat outturn totalled 43.5 million tons, down four percent. The Economic Community harvested 29.4 million tons, seven percent below 1969. The French and West German crops were off 11 and 6 percent, respectively. Spanish production declined 14 percent, while that of the United Kingdom was higher by 26 percent.

WHEAT: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1964-68, ANNUAL 1969 AND 1970 1/

| CONTINENT AND COUNTRY              | AVE.1964-68 | AREA 2/<br>1969 | 1970 3/     | AVE.1964-68 | YIELD<br>1969 | 1970 3/ | AVE.1964-68 | PRODUCTION<br>1969 | 1970 3/     |
|------------------------------------|-------------|-----------------|-------------|-------------|---------------|---------|-------------|--------------------|-------------|
|                                    | 1,000<br>HA | 1,000<br>HA     | 1,000<br>HA | QU/HA       | QU/HA         | QU/HA   | 1,000<br>MT | 1,000<br>MT        | 1,000<br>MT |
| <b>NORTH AMERICA:</b>              |             |                 |             |             |               |         |             |                    |             |
| CANADA.....                        | 11,915      | 10,104          | 5,052       | 15.2        | 18.4          | 17.9    | 18,071      | 18,623             | 9,022       |
| GUATEMALA.....                     | 37          | 40              | 40          | 7.8         | 9.0           | 7.0     | 29          | 36                 | 28          |
| MEXICO.....                        | 772         | 715             | 715         | 24.2        | 28.0          | 29.4    | 1,871       | 2,030              | 2,100       |
| UNITED STATES.....                 | 21,305      | 19,254          | 17,930      | 17.6        | 20.0          | 20.9    | 37,513      | 39,740             | 37,516      |
| TOTAL.....                         | 34,028      | 30,114          | 23,738      | 16.9        | 20.1          | 20.5    | 57,483      | 60,398             | 48,666      |
| <b>SOUTH AMERICA:</b>              |             |                 |             |             |               |         |             |                    |             |
| ARGENTINA.....                     | 5,520       | 5,191           | 3,334       | 13.3        | 13.5          | 12.0    | 7,329       | 7,020              | 4,230       |
| BRAZIL.....                        | 441         | 1,000           | 1,500       | 6.0         | 11.5          | 10.0    | 379         | 1,146              | 1,500       |
| CHILE.....                         | 759         | 740             | 760         | 16.0        | 17.6          | 18.1    | 1,216       | 1,300              | 1,378       |
| COLOMBIA.....                      | 102         | 73              | 62          | 10.3        | 11.0          | 11.0    | 105         | 80                 | 68          |
| ECUADOR.....                       | 65          | 83              | 75          | 9.0         | 8.8           | 10.7    | 58          | 70                 | 80          |
| PERU.....                          | 150         | 150             | 150         | 9.4         | 9.3           | 10.0    | 141         | 140                | 150         |
| URUGUAY.....                       | 438         | 336             | 327         | 9.8         | 12.0          | 11.1    | 427         | 403                | 300         |
| TOTAL.....                         | 7,475       | 7,570           | 6,235       | 12.9        | 13.4          | 12.4    | 9,650       | 10,159             | 7,766       |
| <b>EUROPE:</b>                     |             |                 |             |             |               |         |             |                    |             |
| BELGIUM.....                       | 211         | 199             | 133         | 38.5        | 38.2          | 39.1    | 814         | 761                | 715         |
| FRANCE.....                        | 4,164       | 4,034           | 3,760       | 33.5        | 36.0          | 34.4    | 13,562      | 14,523             | 12,922      |
| GERMANY, WEST.....                 | 1,425       | 1,494           | 1,493       | 36.6        | 40.2          | 37.7    | 5,220       | 6,000              | 5,622       |
| ITALY.....                         | 4,251       | 4,218           | 4,141       | 22.1        | 22.0          | 22.8    | 9,390       | 9,536              | 9,437       |
| LUXEMBOURG.....                    | 17          | 14              | 14          | 25.1        | 34.3          | 33.0    | 43          | 48                 | 47          |
| NETHERLANDS.....                   | 153         | 155             | 142         | 45.5        | 43.7          | 45.3    | 690         | 677                | 643         |
| TOTAL EC.....                      | 10,221      | 10,114          | 9,733       | 29.5        | 31.2          | 30.2    | 30,125      | 31,545             | 29,386      |
| AUSTRIA.....                       | 299         | 287             | 275         | 29.4        | 33.1          | 28.9    | 880         | 950                | 794         |
| DENMARK.....                       | 107         | 97              | 114         | 44.0        | 44.2          | 43.7    | 477         | 429                | 458         |
| FINLAND.....                       | 247         | 204             | 176         | 19.1        | 23.6          | 23.2    | 471         | 481                | 409         |
| GREECE.....                        | 1,062       | 1,010           | 920         | 17.9        | 17.3          | 21.4    | 1,837       | 1,752              | 1,970       |
| IRELAND.....                       | 70          | 82              | 94          | 32.7        | 39.0          | 34.9    | 249         | 325                | 325         |
| NORWAY.....                        | 4           | 4               | 4           | 31.5        | 27.5          | 30.0    | 13          | 11                 | 12          |
| PORTUGAL.....                      | 607         | 573             | 568         | 9.2         | 7.9           | 9.1     | 556         | 452                | 516         |
| SPAIN.....                         | 4,159       | 3,744           | 3,697       | 11.9        | 12.5          | 10.9    | 4,939       | 4,691              | 4,030       |
| SWEDEN.....                        | 245         | 265             | 263         | 39.7        | 34.6          | 37.3    | 974         | 917                | 982         |
| SWITZERLAND.....                   | 102         | 97              | 95          | 30.1        | 37.5          | 36.3    | 363         | 364                | 350         |
| UNITED KINGDOM.....                | 947         | 833             | 1,020       | 39.7        | 40.5          | 41.5    | 3,762       | 3,373              | 4,250       |
| TOTAL WESTERN EUROPE.....          | 10,076      | 17,310          | 16,962      | 24.7        | 28.2          | 25.7    | 44,709      | 45,290             | 43,525      |
| ALBANIA.....                       | 110         | ---             | ---         | 8.8         | ---           | ---     | 102         | ---                | ---         |
| BULGARIA.....                      | 1,130       | 1,035           | 1,000       | 24.5        | 24.6          | 25.5    | 2,785       | 2,549              | 2,850       |
| CZECHOSLOVAKIA.....                | 895         | 1,051           | 1,075       | 20.2        | 31.0          | 27.9    | 2,347       | 3,257              | 3,000       |
| GERMANY EAST.....                  | 502         | 500             | 575         | 30.1        | 35.5          | 33.9    | 1,812       | 1,947              | 1,950       |
| HUNGARY.....                       | 1,118       | 1,321           | 1,272       | 22.7        | 27.1          | 21.5    | 2,534       | 3,579              | 2,736       |
| POLAND.....                        | 1,693       | 1,905           | 1,985       | 21.7        | 24.0          | 23.6    | 3,674       | 4,710              | 4,677       |
| ROMANIA.....                       | 2,941       | 2,759           | 2,300       | 17.3        | 15.3          | 16.5    | 5,059       | 4,349              | 3,800       |
| YUGOSLAVIA.....                    | 1,900       | 2,019           | 1,793       | 22.0        | 24.2          | 21.1    | 4,188       | 4,830              | 3,750       |
| TOTAL EASTERN EUROPE 4/.....       | 10,302      | 10,847          | 10,135      | 21.9        | 23.4          | 22.6    | 22,540      | 25,436             | 22,928      |
| TOTAL EUROPE 4/.....               | 28,373      | 28,157          | 27,097      | 23.7        | 25.1          | 24.5    | 67,250      | 70,726             | 66,453      |
| U.S.S.R. (EUROPE AND ASIA) 5/..... | 38,401      | 66,400          | 65,500      | 9.6         | 9.4           | 11.8    | 65,980      | 62,300             | 77,500      |
| <b>AFRICA:</b>                     |             |                 |             |             |               |         |             |                    |             |
| ALGERIA.....                       | 1,975       | 2,305           | ---         | 6.2         | 5.2           | ---     | 1,224       | 1,239              | ---         |
| ETHIOPIA.....                      | 427         | ---             | ---         | 7.4         | ---           | ---     | 317         | ---                | ---         |
| KENYA.....                         | 141         | 164             | ---         | 13.1        | 13.2          | ---     | 185         | 210                | ---         |
| MOROCCO.....                       | 4,715       | 1,764           | 1,879       | 8.0         | 9.1           | 10.9    | 1,305       | 1,612              | 2,039       |
| SOUTH AFRICA, REP OF.....          | 1,351       | 2,397           | ---         | 6.7         | 5.2           | ---     | 934         | 1,245              | ---         |
| SUDAN.....                         | 56          | ---             | ---         | 11.8        | ---           | ---     | 66          | ---                | ---         |
| TUNISIA.....                       | 900         | 650             | 750         | 4.4         | 4.6           | 6.0     | 393         | 300                | 450         |
| UAR-EGYPT.....                     | 543         | 585             | ---         | 20.5        | 25.8          | ---     | 1,441       | 1,518              | ---         |
| TOTAL 4/.....                      | 7,143       | 8,409           | 8,725       | 8.3         | 7.7           | 8.4     | 5,920       | 6,550              | 7,269       |
| <b>ASIA:</b>                       |             |                 |             |             |               |         |             |                    |             |
| AFGHANISTAN.....                   | 2,315       | ---             | ---         | 5.3         | ---           | ---     | 2,153       | ---                | ---         |
| CHINA-MAINLAND.....                | 24,900      | 23,500          | 23,600      | 9.1         | 9.5           | 9.7     | 22,550      | 22,500             | 23,000      |
| CYPRUS.....                        | 60          | 61              | 40          | 11.5        | 13.9          | 7.5     | 69          | 85                 | 30          |
| INDIA.....                         | 13,450      | 13,956          | 16,626      | 9.0         | 11.7          | 12.1    | 12,100      | 18,652             | 20,093      |
| IRAN.....                          | 2,080       | ---             | ---         | 16.4        | ---           | ---     | 3,418       | 3,900              | 3,800       |
| IRAQ.....                          | 1,764       | ---             | ---         | 5.4         | ---           | ---     | 972         | ---                | ---         |
| ISRAEL.....                        | 74          | 113             | 107         | 20.5        | 13.8          | 11.2    | 151         | 156                | 120         |
| JAPAN.....                         | 417         | 267             | 225         | 26.7        | 26.4          | 26.7    | 1,113       | 759                | 600         |
| JORDAN.....                        | 244         | 180             | ---         | 7.0         | 10.3          | ---     | 185         | 142                | ---         |
| KOREA, REP OF.....                 | 152         | 155             | 160         | 20.8        | 23.5          | 22.3    | 310         | 365                | 357         |
| LEBANON.....                       | 50          | 61              | 61          | 9.0         | 8.2           | 6.2     | 54          | 50                 | 50          |
| NEPAL.....                         | 127         | 150             | 150         | 14.8        | 15.1          | 10.7    | 188         | 227                | 250         |
| PAKISTAN.....                      | 5,427       | 6,277           | 6,220       | 8.6         | 10.5          | 11.0    | 4,654       | 6,600              | 7,200       |
| SYRIAN ARAB REP.....               | 1,127       | ---             | ---         | 7.7         | ---           | ---     | 670         | ---                | ---         |
| TURKEY.....                        | 7,332       | 8,500           | 8,400       | 10.9        | 9.3           | 9.5     | 8,006       | 8,300              | 8,000       |
| TOTAL 4/.....                      | 59,589      | 65,295          | 65,878      | 9.5         | 10.1          | 10.3    | 50,808      | 66,274             | 68,125      |
| <b>OCEANIA:</b>                    |             |                 |             |             |               |         |             |                    |             |
| AUSTRALIA.....                     | 8,539       | 9,451           | 6,981       | 12.2        | 11.5          | 12.1    | 10,431      | 10,835             | 8,437       |
| NEW ZEALAND.....                   | 97          | 111             | ---         | 33.4        | 26.1          | ---     | 324         | 290                | ---         |
| TOTAL 4/.....                      | 8,636       | 9,562           | 7,092       | 12.5        | 11.6          | 12.1    | 10,755      | 11,124             | 8,437       |
| WORLD TOTAL 4/.....                | 213,715     | 215,566         | 204,285     | 12.8        | 13.3          | 13.9    | 273,858     | 287,532            | 284,625     |

1/ Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1970 is combined with preliminary forecasts for the Southern Hemisphere harvests, which begin late in 1970 and end early in 1971. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Estimated totals include allowances for producing countries not shown. 5/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

RYE: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1964-68, ANNUAL 1969 AND 1970 <sup>1/</sup>

| CONTINENT AND COUNTRY           | AVE.1964-68 | AREA <sup>2/</sup><br>1969 | 1970 <sup>3/</sup> | AVE.1964-68 | YIELD<br>1969 | 1970 <sup>3/</sup> | AVE.1964-68 | PRODUCTION<br>1969 | 1970 <sup>3/</sup> |
|---------------------------------|-------------|----------------------------|--------------------|-------------|---------------|--------------------|-------------|--------------------|--------------------|
|                                 | 1,000<br>HA | 1,000<br>HA                | 1,000<br>HA        | QU/HA       | QU/HA         | QU/HA              | 1,000<br>MT | 1,000<br>MT        | 1,000<br>MT        |
| NORTH AMERICA:                  |             |                            |                    |             |               |                    |             |                    |                    |
| CANADA.....                     | 285         | 375                        | 411                | 12.7        | 11.2          | 13.9               | 362         | 419                | 570                |
| UNITED STATES.....              | 528         | 545                        | 601                | 13.6        | 14.7          | 16.3               | 716         | 802                | 979                |
| TOTAL.....                      | 813         | 920                        | 1,012              | 13.3        | 13.3          | 15.3               | 1,078       | 1,221              | 1,549              |
| SOUTH AMERICA:                  |             |                            |                    |             |               |                    |             |                    |                    |
| ARGENTINA <sup>4/</sup> .....   | 539         | 604                        | ---                | 7.0         | 6.2           | ---                | 376         | 377                | 121                |
| TOTAL <sup>4/</sup> .....       | 539         | 604                        | ---                | 7.0         | 6.2           | ---                | 376         | 377                | 121                |
| EUROPE:                         |             |                            |                    |             |               |                    |             |                    |                    |
| BELGIUM.....                    | 32          | 22                         | 21                 | 30.4        | 33.2          | 31.0               | 97          | 73                 | 65                 |
| FRANCE.....                     | 196         | 154                        | 142                | 18.4        | 20.1          | 21.3               | 361         | 309                | 302                |
| GERMANY, WEST.....              | 1,046       | 873                        | 865                | 29.6        | 33.1          | 30.6               | 3,096       | 2,889              | 2,665              |
| ITALY.....                      | 47          | 38                         | 35                 | 17.7        | 18.7          | 19.7               | 83          | 71                 | 69                 |
| LUXEMBOURG.....                 | 3           | 1                          | 1                  | 24.0        | 50.0          | 40.0               | 7           | 5                  | 4                  |
| NETHERLANDS.....                | 85          | 62                         | 57                 | 30.0        | 33.4          | 30.2               | 255         | 207                | 172                |
| TOTAL EC.....                   | 1,409       | 1,150                      | 1,121              | 27.7        | 30.9          | 29.2               | 3,900       | 3,554              | 3,277              |
| AUSTRIA.....                    | 149         | 147                        | 136                | 24.9        | 29.9          | 25.3               | 371         | 440                | 344                |
| DENMARK.....                    | 61          | 39                         | 44                 | 30.8        | 32.3          | 30.0               | 188         | 126                | 132                |
| FINLAND.....                    | 95          | 70                         | 66                 | 16.2        | 18.0          | 19.8               | 154         | 126                | 131                |
| GREECE.....                     | 14          | 8                          | 6                  | 11.3        | 8.8           | 11.7               | 16          | 7                  | 7                  |
| NORWAY.....                     | 1           | 1                          | 1                  | 22.0        | 30.0          | 30.0               | 2           | 3                  | 3                  |
| PORTUGAL.....                   | 278         | 236                        | 221                | 6.4         | 7.1           | 6.7                | 179         | 167                | 149                |
| SPAIN.....                      | 391         | 333                        | 306                | 8.9         | 10.5          | 8.2                | 350         | 348                | 250                |
| SWEDEN.....                     | 54          | 72                         | 77                 | 29.1        | 25.6          | 29.4               | 157         | 184                | 226                |
| SWITZERLAND.....                | 16          | 15                         | 14                 | 35.5        | 26.7          | 25.0               | 57          | 40                 | 35                 |
| UNITED KINGDOM.....             | 5           | 4                          | 5                  | 31.6        | 27.5          | 28.0               | 16          | 11                 | 14                 |
| TOTAL WESTERN EUROPE....        | 2,471       | 2,075                      | 1,997              | 21.8        | 24.1          | 22.9               | 5,389       | 5,006              | 4,568              |
| BULGARIA.....                   | 40          | 24                         | 24                 | 11.7        | 11.7          | 12.1               | 47          | 28                 | 29                 |
| CZECHOSLOVAKIA.....             | 374         | 276                        | 200                | 21.4        | 24.9          | 22.0               | 801         | 687                | 440                |
| GERMANY EAST.....               | 779         | 690                        | 670                | 24.1        | 21.6          | 22.4               | 1,878       | 1,544              | 1,450              |
| HUNGARY.....                    | 221         | 183                        | 149                | 11.6        | 12.8          | 10.5               | 255         | 234                | 157                |
| POLAND.....                     | 4,334       | 4,174                      | 3,520              | 18.0        | 19.6          | 16.1               | 7,781       | 8,166              | 5,667              |
| ROMANIA.....                    | 78          | 45                         | 45                 | 11.3        | 10.4          | 10.0               | 88          | 47                 | 45                 |
| YUGOSLAVIA.....                 | 143         | 124                        | 120                | 11.4        | 10.9          | 10.0               | 163         | 135                | 120                |
| TOTAL EASTERN EUROPE....        | 5,969       | 5,516                      | 4,728              | 18.5        | 19.7          | 16.7               | 11,013      | 10,841             | 7,908              |
| TOTAL EUROPE .....              | 8,440       | 7,591                      | 6,725              | 19.4        | 20.9          | 18.6               | 16,402      | 15,847             | 12,476             |
| U.S.S.R. (EUROPE AND ASIA)..... | 14,221      | 9,200                      | 11,000             | 9.0         | 10.7          | 10.9               | 12,800      | 9,800              | 12,000             |
| ASIA:                           |             |                            |                    |             |               |                    |             |                    |                    |
| TURKEY.....                     | 717         | 685                        | 675                | 10.5        | 11.2          | 11.1               | 752         | 770                | 750                |
| TOTAL.....                      | 717         | 685                        | 675                | 10.5        | 11.2          | 11.1               | 752         | 770                | 750                |
| WORLD TOTAL <sup>4/</sup> ..... | 24,730      | 18,999                     | 19,662             | 12.7        | 14.7          | 13.7               | 31,408      | 28,015             | 26,896             |

<sup>1/</sup> Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop in the Northern Hemisphere in 1970 is combined with preliminary forecasts for the Southern Hemisphere harvests, which begin late in 1970 and end early in 1971. <sup>2/</sup> Harvested area as far as possible. <sup>3/</sup> Preliminary. <sup>4/</sup> Production estimated.

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United States Department of Agriculture  
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Grains and Feeds Circular  
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The East European harvest was down 10 percent, at 22.9 million tons, with major declines in Hungary, Romania, and Yugoslavia. The USSR wheat crop is estimated at 77.5 million tons, the second of record to the 85.0 million tons in 1966.

African wheat production was up 11 percent at 7.2 million tons. The Moroccan crop was 27 percent higher for the principal gain.

The Asian wheat crop totalled 68.1 million tons, three percent above 1969. The principal gains were in Mainland China, India, and Pakistan.

Australia produced 8.4 million tons of wheat, 22 percent below a year earlier, as area was sharply reduced under a restrictive delivery quota system.

#### RYE

World rye production in 1970 is estimated at 26.9 million tons, 4 percent below 1969 and 9 percent below the 1964-68 average, to continue a long-term downtrend. World rye area was up 3 percent for the year, but 20 percent below the 5-year average.

The North American rye harvest totalled 1.5 million tons, up 27 percent on gains in both Canada and the United States. The Argentine crop was off sharply because of drought.

Rye production in Western Europe totalled 4.6 million tons, down 9 percent. The EC harvested 3.3 million tons, 8 percent below 1969. The West German crop at 2.7 million tons was likewise 8 percent lower.

The East European rye crop, at 7.9 million tons, was down 27 percent. The Polish harvest, at 5.7 million tons, dropped 31 percent.

Rye production in the USSR is estimated at 12.0 million tons, up 22 percent, but still below average.

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# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



U. S. DEPT. OF AGRICULTURE  
Foreign Agricultural Service

MAY 21 1971

CURRENT CEREAL RECORD

GRAIN  
FG 6-71  
March 1971

## U.S. GRAIN EXPORTS INCREASE

### DURING JULY DECEMBER 1970

U.S. exports of wheat, rye, feedgrains and rice in the last six months of 1970 totaled 22.5 million metric tons, for a 17 percent gain over the aggregate of a year earlier. Changes in the individual grains are summarized below:

GRAINS: U.S. exports, July-December 1969 and 1970

| Commodity       | July-December<br>1969 | July-December<br>1970 | + or -    |
|-----------------|-----------------------|-----------------------|-----------|
|                 | 1,000 Metric Tons     |                       |           |
| Wheat and Flour |                       |                       |           |
| Wheat           | 6,629.0               | 9,482.0               | + 2,852.0 |
| Flour           | 858.0                 | 701.0                 | - 157.0   |
| Wheat and Flour | 7,487.0               | 10,182.0              | + 2,695.0 |
| Rye             | 10.8                  | 0.4                   | - 10.4    |
| Feedgrains      |                       |                       |           |
| Corn            | 9,009.6               | 7,805.6               | - 1,204.0 |
| Oats            | 10.6                  | 250.5                 | + 239.9   |
| Barley          | 25.7                  | 877.8                 | + 852.1   |
| Sorghum         | 1,807.3               | 2,554.8               | + 747.5   |
| Total           | 10,853.3              | 11,488.7              | + 635.4   |
| Rice            | 901.1                 | 838.5                 | - 62.6    |
| Total Grains    | 19,252.2              | 22,509.6              | + 3,257.4 |



| Destination                       | July-December 1969 |               |                   | July-December 1970 |               |                   | + or - |
|-----------------------------------|--------------------|---------------|-------------------|--------------------|---------------|-------------------|--------|
|                                   | Wheat 1/           | Flour 2/      | Total             | Wheat 1/           | Flour 2/      | Total             |        |
|                                   | 1,000 Bushels      | 1,000 Bushels | 1,000 Metric Tons | 1,000 Bushels      | 1,000 Bushels | 1,000 Metric Tons |        |
| Western Hemisphere:               |                    |               |                   |                    |               |                   |        |
| Canada .....                      | 3/                 | 16            | 16                | 4/                 | 3/            | 8                 | 4/     |
| Mexico .....                      | 63                 | 4             | 67                | 2                  | 115           | 4                 | 3      |
| Costa Rica .....                  | 897                | 33            | 930               | 25                 | 808           | 14                | 22     |
| El Salvador .....                 | 937                | 44            | 981               | 27                 | 1,128         | 49                | 32     |
| Guatemala .....                   | 1,141              | 68            | 1,209             | 33                 | 1,679         | 67                | 47     |
| Panama .....                      | 987                | 11            | 998               | 27                 | 1,120         | 2                 | 31     |
| Other Central America .....       | 1,094              | 111           | 1,205             | 33                 | 1,532         | 120               | 45     |
| Dominican Republic .....          | 1,748              | 103           | 1,851             | 50                 | 1,294         | 47                | 36     |
| Jamaica .....                     | 482                | 385           | 867               | 24                 | 485           | 243               | 20     |
| Trinidad and Tobago .....         | 1,148              | 4             | 1,152             | 31                 | 1,393         | 1                 | 38     |
| Other Bermuda and Caribbean ..... | --                 | 360           | 360               | 10                 | 459           | 302               | 21     |
| Argentina .....                   | 4,798              | --            | 4,798             | 131                | --            | --                | --     |
| Bolivia .....                     | 268                | 2,823         | 3,091             | 84                 | 579           | 93                | 18     |
| Brazil .....                      | 24,324             | 436           | 24,760            | 674                | 13,941        | 405               | 390    |
| Chile .....                       | --                 | 108           | 108               | 3                  | 4,223         | 284               | 123    |
| Colombia .....                    | 3,207              | 431           | 3,638             | 99                 | 5,110         | 354               | 149    |
| Ecuador .....                     | 1,041              | 29            | 1,070             | 29                 | 1,623         | 51                | 46     |
| Paraguay .....                    | 1,114              | 58            | 1,172             | 32                 | 976           | 43                | 28     |
| Peru .....                        | 1,643              | 39            | 1,682             | 46                 | 1,590         | 290               | 51     |
| Venezuela .....                   | 13,293             | 7             | 13,300            | 362                | 10,107        | 7                 | 275    |
| Other South America .....         | 725                | 133           | 858               | 23                 | 542           | 103               | 18     |
| Total .....                       | 58,910             | 5,203         | 64,113            | 1,745              | 48,704        | 2,487             | 1,393  |
| Western Europe:                   |                    |               |                   |                    |               |                   |        |
| EC:                               |                    |               |                   |                    |               |                   |        |
| Belgium and Luxembourg .....      | 4,394              | 3             | 4,397             | 120                | 4,746         | --                | 129    |
| France .....                      | 4,015              | 5/            | 4,015             | 108                | 3,775         | --                | 103    |
| Germany, West .....               | 3,452              | 1             | 3,453             | 94                 | 17,678        | 49                | 482    |
| Italy .....                       | 7,464              | 9             | 7,473             | 203                | 10,368        | 5                 | 282    |
| Netherlands .....                 | 12,302             | 278           | 12,580            | 343                | 16,256        | 200               | 448    |
| Total .....                       | 31,627             | 291           | 31,918            | 868                | 52,823        | 254               | 1,444  |
| Other Western Europe:             |                    |               |                   |                    |               |                   |        |
| Norway .....                      | 535                | --            | 535               | 15                 | 691           | 2                 | 19     |
| Portugal .....                    | 1,422              | 87            | 1,509             | 41                 | 6,141         | 32                | 168    |
| Switzerland .....                 | 1,635              | --            | 1,635             | 44                 | 4,978         | 1                 | 136    |
| United Kingdom .....              | 1,723              | 10            | 1,733             | 47                 | 21,878        | 8                 | 596    |
| Others .....                      | 950                | 211           | 1,161             | 32                 | 1,699         | 200               | 51     |
| Total .....                       | 6,265              | 308           | 6,573             | 179                | 35,387        | 243               | 970    |
| Eastern Europe:                   |                    |               |                   |                    |               |                   |        |
| Hungary .....                     | --                 | --            | --                | --                 | 185           | --                | 5      |
| Poland .....                      | --                 | 203           | 203               | 6                  | --            | 34                | 1      |
| Romania .....                     | --                 | --            | --                | --                 | 5,577         | --                | 152    |
| Yugoslavia .....                  | --                 | 1             | 1                 | 4/                 | 12            | --                | 4/     |
| Total .....                       | --                 | 204           | 204               | 6                  | 5,774         | 34                | 158    |
| Total Europe .....                | 37,892             | 803           | 38,695            | 1,053              | 93,984        | 531               | 2,572  |
| Asia:                             |                    |               |                   |                    |               |                   |        |
| Afghanistan .....                 | 1,532              | --            | 1,532             | 42                 | 137           | 2                 | 4      |
| Ceylon .....                      | --                 | 3,537         | 3,537             | 96                 | --            | 174               | 5      |
| Hong Kong .....                   | 718                | 62            | 780               | 21                 | 1,104         | 47                | 31     |
| India .....                       | 29,125             | 19            | 29,144            | 793                | 29,454        | 20                | 802    |
| Indonesia .....                   | 362                | 6,190         | 6,552             | 178                | --            | 8,550             | 233    |
| Israel .....                      | 8,351              | 1,720         | 10,071            | 274                | 11,275        | 2,025             | 362    |
| Japan .....                       | 44,396             | 1             | 44,397            | 1,208              | 58,239        | 1                 | 1,585  |
| Korea, Republic of .....          | 17,767             | 2,278         | 20,045            | 546                | 27,387        | 1,474             | 785    |
| Lebanon .....                     | 949                | 12            | 961               | 26                 | 4,373         | 548               | 134    |
| Pakistan .....                    | 6,802              | 2             | 6,804             | 185                | 12,842        | 1                 | 350    |
| Philippines .....                 | 8,060              | 114           | 8,174             | 223                | 9,440         | 384               | 267    |
| Saudi Arabia .....                | 4                  | 2,096         | 2,100             | 57                 | 36            | 2,787             | 77     |
| Republic of China (Taiwan) .....  | 6,632              | --            | 6,632             | 181                | 12,637        | --                | 344    |
| Turkey .....                      | 5,424              | 230           | 5,654             | 154                | 4,144         | 242               | 119    |
| Vietnam, South .....              | 485                | 4,280         | 4,765             | 130                | 1,966         | 2,835             | 131    |
| Others .....                      | 1,386              | 1,372         | 2,758             | 75                 | 4,517         | 1,557             | 165    |
| Total .....                       | 131,993            | 21,913        | 153,906           | 4,189              | 177,551       | 20,647            | 5,394  |
| Africa:                           |                    |               |                   |                    |               |                   |        |
| Angola .....                      | --                 | 7             | 7                 | 4/                 | 1,737         | 4                 | 47     |
| Algeria .....                     | 4,281              | 194           | 4,475             | 122                | 7,386         | 41                | 202    |
| Congo (Kinshasa) .....            | --                 | 384           | 384               | 10                 | --            | 389               | 11     |
| Morocco .....                     | 1,132              | 1,395         | 2,527             | 69                 | 8,456         | 628               | 247    |
| Nigeria .....                     | 3,979              | 22            | 4,001             | 109                | 4,911         | 192               | 139    |
| Tunisia .....                     | 3,722              | 648           | 4,370             | 119                | 4,216         | 282               | 122    |
| Others .....                      | 1,663              | 910           | 2,573             | 70                 | 1,450         | 524               | 54     |
| Total .....                       | 14,777             | 3,560         | 18,337            | 499                | 28,156        | 2,060             | 822    |
| Oceania .....                     | --                 | 50            | 50                | 1                  | --            | 40                | 1      |
| World total .....                 | 243,572            | 31,529        | 275,101           | 7,487              | 348,395       | 25,765            | 10,182 |

1/ Data includes shipments for relief. 2/ Grain equivalent. 3/ Transshipments through Canada have been included in data for countries of ultimate destination.  
4/ Less than 500 metric tons. 5/ Less than 500 bushels.

Foreign Agricultural Service  
Grain and Feed Division, CAB/SSS  
February 1971

Source: Compiled from reports of the U.S. Department of Commerce



RYE: U.S. exports by country of destination,  
July-December 1969 and July-December 1970

| Destination       | July-Dec.<br>1969 | July-Dec.<br>1970 | + or -    |
|-------------------|-------------------|-------------------|-----------|
|                   |                   |                   |           |
|                   | - - - - -         | Metric Tons       | - - - - - |
| Canada .....      | 8,249             | 281               | - 7,968   |
| Mexico .....      | --                | 130               | + 130     |
| Bermuda .....     | --                | 9                 | + 9       |
| Netherlands ..... | 2,566             | --                | - 2,566   |
| Total .....       | 10,815            | 420               | - 10,395  |

Foreign Agricultural Service  
Grain and Feed Division, CAB/SSS  
February 1971

Source: Compiled from reports of the U.S. Department of Commerce

FEEDGRAINS: U.S. exports to principal countries, July-December 1969 and July-December 1970

| Destination                        | July-December 1969 |        |        |           |            | July-December 1970 |         |         |           |            |
|------------------------------------|--------------------|--------|--------|-----------|------------|--------------------|---------|---------|-----------|------------|
|                                    | Corn 1/            | Oats   | Barley | Sorghum   | Total      | Corn 1/            | Oats    | Barley  | Sorghum   | Total      |
|                                    | Metric Tons        |        |        |           |            |                    |         |         |           |            |
| Western Hemisphere:                |                    |        |        |           |            |                    |         |         |           |            |
| Canada .....                       | 408,168            | 190    | --     | 19,058    | 427,416    | 196,510            | --      | --      | 3,673     | 200,183    |
| Miquelon and St. Pierre Islands .. | --                 | --     | --     | --        | --         | 7,324              | --      | --      | --        | 7,324      |
| Mexico .....                       | 35,506             | 2,719  | --     | 2,479     | 40,704     | 259,331            | 5,008   | 1,689   | 3,094     | 269,122    |
| Costa Rica .....                   | 35                 | 1      | 2,783  | --        | 2,819      | 15,147             | --      | --      | 82        | 15,229     |
| Guatemala .....                    | 209                | --     | --     | 116       | 325        | 90                 | --      | --      | --        | 90         |
| Panama .....                       | 568                | 166    | --     | 10        | 744        | 4,077              | 159     | --      | --        | 4,236      |
| Other Central America .....        | 299                | 4      | --     | 87        | 390        | 594                | 4       | --      | 32        | 630        |
| Bahamas .....                      | 1,261              | 11     | --     | --        | 1,272      | 1,548              | 71      | 14      | --        | 1,633      |
| Dominican Republic .....           | --                 | 121    | 65     | 93        | 279        | 3,212              | 13      | 5       | --        | 3,230      |
| Jamaica .....                      | 29,748             | 89     | 205    | 5,097     | 35,139     | 38,430             | 18      | --      | 5,878     | 44,326     |
| Netherlands Antilles .....         | 374                | 3      | --     | 18        | 395        | 1,613              | --      | --      | 686       | 2,299      |
| Trinidad and Tobago .....          | 26,340             | --     | --     | --        | 26,340     | 31,659             | --      | --      | --        | 31,659     |
| Other Bermuda and Caribbean .....  | 700                | --     | --     | 9         | 709        | 675                | --      | --      | --        | 675        |
| Brazil .....                       | 2,171              | --     | --     | 838       | 3,009      | 556                | --      | --      | 2,758     | 3,314      |
| Chile .....                        | 145,343            | --     | --     | 75        | 145,418    | 29,153             | --      | --      | --        | 29,153     |
| Colombia .....                     | 1,072              | 77     | 14,304 | 330       | 15,783     | 6,969              | --      | 29,980  | 1,138     | 38,087     |
| Ecuador .....                      | 14                 | 3,800  | --     | 413       | 4,227      | 26                 | 2,010   | --      | 342       | 2,378      |
| Peru .....                         | 830                | --     | --     | 16        | 846        | 3,661              | --      | --      | 5,184     | 8,845      |
| Surinam .....                      | 3,274              | --     | --     | 60        | 3,334      | 4,326              | --      | --      | 358       | 4,684      |
| Venezuela .....                    | 741                | 477    | --     | 223       | 1,441      | 446                | 260     | --      | 119,180   | 119,886    |
| Other South America .....          | 1,672              | --     | --     | 859       | 2,531      | 1,319              | 7       | --      | 722       | 2,048      |
| Total .....                        | 658,325            | 7,658  | 17,357 | 29,781    | 713,121    | 606,666            | 7,550   | 31,688  | 143,127   | 789,031    |
| Western Europe:                    |                    |        |        |           |            |                    |         |         |           |            |
| EC:                                |                    |        |        |           |            |                    |         |         |           |            |
| Belgium and Luxembourg .....       | 446,862            | 965    | --     | 84,443    | 532,270    | 537,198            | 48,511  | 21,489  | 121,037   | 728,235    |
| France .....                       | 55,592             | --     | --     | --        | 55,592     | 24,369             | --      | --      | --        | 24,369     |
| Germany, West .....                | 611,326            | --     | --     | 271       | 611,597    | 731,231            | 79,514  | 56,540  | --        | 867,285    |
| Italy .....                        | 584,487            | --     | --     | 20        | 584,507    | 431,174            | 20,266  | 50,294  | 544       | 502,278    |
| Netherlands .....                  | 1,287,789          | --     | 261    | 26,196    | 1,314,246  | 1,708,303          | 28,740  | 46,478  | 237,949   | 2,021,470  |
| Total .....                        | 2,986,056          | 965    | 261    | 110,930   | 3,098,212  | 3,432,275          | 177,031 | 174,801 | 359,530   | 4,143,637  |
| Other Western Europe:              |                    |        |        |           |            |                    |         |         |           |            |
| Austria .....                      | 156                | --     | --     | --        | 156        | 6,427              | --      | --      | --        | 6,427      |
| Cyprus .....                       | 6,025              | --     | --     | --        | 6,025      | 1,036              | --      | 81,429  | --        | 82,465     |
| Denmark .....                      | 465                | --     | --     | --        | 465        | 424                | 6       | 20,510  | --        | 20,940     |
| Greece .....                       | 220,485            | --     | --     | --        | 220,485    | 168,113            | --      | --      | --        | 168,113    |
| Iceland .....                      | 2,115              | --     | --     | --        | 2,115      | 3,333              | --      | --      | --        | 3,333      |
| Ireland .....                      | 21,053             | --     | --     | 5,131     | 26,184     | 9,682              | --      | 10,734  | --        | 20,416     |
| Malta .....                        | 897                | --     | --     | 2,300     | 3,197      | 2,858              | --      | --      | 2,863     | 5,721      |
| Norway .....                       | 21,228             | --     | --     | --        | 21,228     | 4,885              | --      | 59,075  | --        | 63,960     |
| Portugal .....                     | 60,007             | --     | --     | 10        | 60,017     | 92,379             | --      | 19,943  | --        | 112,322    |
| Spain .....                        | 676,089            | --     | --     | --        | 676,089    | 11,868             | --      | --      | 11,046    | 22,914     |
| Sweden .....                       | 7,006              | --     | --     | --        | 7,006      | 3,881              | 6,670   | --      | --        | 10,551     |
| Switzerland .....                  | 53,843             | 1,219  | --     | --        | 55,062     | 19,283             | --      | 12,756  | --        | 32,039     |
| United Kingdom .....               | 1,184,002          | --     | --     | --        | 1,184,002  | 932,988            | --      | 21,300  | --        | 954,288    |
| Others .....                       | 103                | --     | --     | --        | 103        | 351                | --      | --      | --        | 351        |
| Total .....                        | 2,253,474          | 1,219  | --     | 7,441     | 2,262,134  | 1,257,508          | 6,676   | 225,747 | 13,909    | 1,503,840  |
| Eastern Europe:                    |                    |        |        |           |            |                    |         |         |           |            |
| Czechoslovakia .....               | --                 | --     | --     | --        | --         | 8,097              | --      | --      | --        | 8,097      |
| East Germany .....                 | 328,222            | --     | --     | --        | 328,222    | 90,223             | --      | --      | --        | 90,223     |
| Poland .....                       | 88,065             | --     | --     | --        | 88,065     | 43,180             | --      | 3,201   | --        | 46,381     |
| Romania .....                      | --                 | --     | --     | --        | --         | --                 | 59,052  | 294,215 | --        | 353,267    |
| Yugoslavia .....                   | --                 | --     | --     | --        | --         | 394                | --      | 88,776  | --        | 89,170     |
| Total .....                        | 416,287            | --     | --     | --        | 416,287    | 141,894            | 59,052  | 386,192 | --        | 587,138    |
| Total Europe .....                 | 5,655,817          | 2,184  | 261    | 118,371   | 5,776,633  | 4,831,677          | 242,759 | 786,740 | 373,439   | 6,234,615  |
| Asia:                              |                    |        |        |           |            |                    |         |         |           |            |
| India .....                        | 31,254             | --     | --     | 168,657   | 199,911    | 13,378             | --      | --      | 3,148     | 16,526     |
| Israel .....                       | 58,306             | --     | --     | 289,664   | 347,970    | 30,455             | --      | --      | 288,794   | 319,249    |
| Japan .....                        | 2,299,179          | 791    | 6,047  | 1,171,596 | 3,477,613  | 1,999,619          | 221     | --      | 1,734,404 | 3,734,244  |
| Jordan .....                       | 5,991              | --     | --     | --        | 5,991      | 10,332             | --      | --      | --        | 10,332     |
| Korea, Republic of .....           | 95,977             | --     | 1,575  | --        | 97,552     | 144,960            | --      | 4,000   | --        | 148,960    |
| Lebanon .....                      | 12,245             | --     | --     | --        | 12,245     | 19,792             | --      | 51,819  | --        | 71,611     |
| Republic of China (Taiwan) .....   | 348                | --     | --     | --        | 348        | 13,271             | --      | 3,570   | --        | 16,841     |
| Vietnam, South .....               | 42,656             | --     | --     | --        | 42,656     | 29,105             | --      | --      | --        | 29,105     |
| Others .....                       | 3,006              | --     | 508    | 1,027     | 4,541      | 10,811             | --      | --      | 1,325     | 12,136     |
| Total .....                        | 2,548,962          | 791    | 8,130  | 1,630,944 | 4,188,827  | 2,271,723          | 221     | 59,389  | 2,027,671 | 4,359,004  |
| Africa:                            |                    |        |        |           |            |                    |         |         |           |            |
| Angola .....                       | --                 | --     | --     | --        | --         | 12,858             | --      | --      | --        | 12,858     |
| Canary Islands .....               | 57,664             | --     | --     | --        | 57,664     | 33,705             | --      | --      | 2,651     | 36,356     |
| Gambia .....                       | --                 | --     | --     | 3,240     | 3,240      | --                 | --      | --      | --        | --         |
| Ghana .....                        | 2,646              | --     | --     | --        | 2,646      | 249                | --      | --      | --        | 249        |
| Morocco .....                      | 1,531              | --     | --     | 86        | 1,617      | 2,247              | --      | --      | 5         | 2,252      |
| Nigeria .....                      | 1,196              | --     | --     | --        | 1,196      | 1,172              | --      | --      | 1,215     | 2,387      |
| Senegal .....                      | 35                 | --     | --     | 20,910    | 20,945     | --                 | --      | --      | 422       | 422        |
| Tanzania .....                     | 638                | --     | --     | 190       | 828        | 1,742              | --      | --      | --        | 1,742      |
| Tunisia .....                      | 11,267             | --     | --     | --        | 11,267     | 9,589              | --      | --      | --        | 9,589      |
| United Arab Republic .....         | 52,345             | --     | --     | --        | 52,345     | 19,151             | --      | --      | --        | 19,151     |
| Western Africa, n.e.c. .....       | 15,967             | --     | --     | 2,340     | 18,307     | 10,618             | --      | --      | 2,329     | 12,947     |
| Others .....                       | 3,170              | --     | --     | 1,462     | 4,632      | 4,056              | --      | --      | 3,945     | 8,001      |
| Total .....                        | 146,459            | --     | --     | 28,228    | 174,687    | 95,387             | --      | --      | 10,567    | 105,954    |
| Oceania .....                      | 56                 | --     | --     | --        | 56         | 144                | --      | --      | --        | 144        |
| World total .....                  | 9,009,619          | 10,633 | 25,748 | 1,807,324 | 10,853,324 | 7,805,597          | 250,530 | 877,817 | 2,554,804 | 11,438,748 |

1/ Includes seed corn except sweet and exports for relief. 2/ Transshipments through Canada have been included in data for countries of ultimate destination.

Foreign Agricultural Service  
Grain and Feed Division, CAB/SSS  
February 1971

Source: Compiled from reports of U.S. Department of Commerce

## RICE, MILLED 1/: U.S. exports by country of destination, July-December 1969 and July-December 1970

| Destination                        | July-December |        | Destination                              | July-December |         |
|------------------------------------|---------------|--------|--|---------------|---------|
|                                    | 1969          | 1970   |  | 1969          | 1970    |
|                                    | Metric Tons   |        |  | Metric Tons   |         |
| Western Hemisphere:                |               |        | Asia (continued):                        |               |         |
| Canada .....                       | 25,262        | 22,809 | India .....                              | 50,537        | --      |
| Mexico .....                       | 83            | 212    | Indonesia .....                          | 207,806       | 219,825 |
| British Honduras .....             | 228           | 31     | Israel .....                             | 8,339         | 6,613   |
| Costa Rica .....                   | 60            | 107    | Japan .....                              | 1,297         | --      |
| Guatemala .....                    | 9             | 52     | Jordan .....                             | 337           | 61      |
| Honduras .....                     | 9             | 52     | Korea, Republic of .....                 | 10,023        | 103,914 |
| Panama .....                       | 30            | 146    | Kuwait .....                             | 1,330         | 875     |
| Bahamas .....                      | 2,420         | 2,716  | Lebanon .....                            | 203           | 192     |
| Barbados .....                     | 711           | 69     | Malaysia .....                           | 1,122         | --      |
| Bermuda .....                      | 103           | 180    | Nansei and Nanpo Islands .....           | 16,179        | 25,509  |
| Dominican Republic .....           | --            | 552    | Saudi Arabia .....                       | 39,726        | 31,411  |
| French West Indies .....           | 691           | 806    | Southern Yemen .....                     | 5,805         | 1,701   |
| Haiti .....                        | 23            | 12     | Vietnam, South .....                     | 247,250       | 205,832 |
| Jamaica .....                      | 9,778         | 9,785  | Others .....                             | 48            | 12      |
| Leeward and Windward Islands ..... | 108           | 53     | Total .....                              | 604,112       | 604,911 |
| Netherlands Antilles .....         | 1,720         | 2,404  | Africa:                                  |               |         |
| Trinidad and Tobago .....          | 2,069         | 5      | Afars and Issas (French) .....           | 701           | 703     |
| Bolivia .....                      | 131           | 246    | Angola .....                             | 2,591         | 2,690   |
| Chile .....                        | 3,855         | 2,908  | Cameroon .....                           | 24            | 144     |
| Colombia .....                     | --            | 161    | Central African Republic .....           | 32            | 14      |
| French Guiana .....                | 4             | 39     | Congo .....                              | 2,269         | 1,517   |
| Peru .....                         | 29            | 45     | Ethiopia .....                           | 457           | 85      |
| Uruguay .....                      | 63            | --     | Gabon .....                              | 237           | 222     |
| Venezuela .....                    | 870           | --     | Ghana .....                              | 10,946        | 880     |
| Others .....                       | 26            | 23     | Guinea .....                             | 5,199         | 11,669  |
| Total .....                        | 48,282        | 43,413 | Ivory Coast .....                        | 240           | 757     |
| Western Europe:                    |               |        | Kenya .....                              | 137           | 626     |
| EC:                                |               |        | Liberia .....                            | 23,697        | 27,728  |
| Belgium and Luxembourg .....       | 11,242        | 7,737  | Libya .....                              | 583           | 556     |
| France .....                       | 13,855        | 9,734  | Malagasy Republic .....                  | 484           | 76      |
| Germany, West .....                | 41,539        | 26,008 | Mauritius .....                          | 106           | --      |
| Italy .....                        | 25            | 16     | Mozambique .....                         | 463           | 2       |
| Netherlands .....                  | 28,448        | 8,547  | Nigeria .....                            | 51            | --      |
| Total .....                        | 95,109        | 52,042 | Senegal .....                            | 4,617         | 32      |
| Other Western Europe:              |               |        | Somali Republic .....                    | 4,878         | 9,202   |
| Austria .....                      | 127           | 26     | Sierra Leone .....                       | 232           | 562     |
| Cyprus .....                       | 67            | 15     | South Africa, Republic of .....          | 43,498        | 33,086  |
| Denmark .....                      | 808           | 455    | Tanzania .....                           | 58            | 21      |
| Finland .....                      | 430           | 514    | Togo .....                               | 56            | 23      |
| Greece .....                       | 1,899         | 1,312  | Uganda .....                             | 210           | --      |
| Iceland .....                      | 297           | 260    | Western Africa, n.e.c. .....             | 2,756         | 304     |
| Ireland .....                      | 289           | 173    | Western Portuguese Africa .....          | 437           | 762     |
| Malta .....                        | 74            | 91     | Zambia .....                             | 866           | 179     |
| Norway .....                       | 45            | 72     | Others .....                             | 8             | 45      |
| Portugal .....                     | 237           | 173    | Total .....                              | 105,833       | 91,885  |
| Sweden .....                       | 1,897         | 2,609  | Oceania:                                 |               |         |
| Switzerland .....                  | 4,109         | 7,632  | Australia .....                          | 794           | 35      |
| United Kingdom .....               | 29,446        | 26,828 | British West Pacific Islands .....       | 2,893         | 2,185   |
| Others .....                       | 14            | --     | French Pacific Islands .....             | 1,155         | 1,083   |
| Total .....                        | 39,739        | 40,160 | New Guinea .....                         | 14            | --      |
| Total Europe .....                 | 134,848       | 92,202 | New Zealand .....                        | 849           | 570     |
| Asia:                              |               |        | Trust Territory of Pacific Islands ..... | 2,286         | 2,240   |
| Arabia .....                       | 420           | 252    | Total .....                              | 7,991         | 6,117   |
| Bahrain .....                      | 111           | 28     |  |               |         |
| Hong Kong .....                    | 13,579        | 8,686  | World Total .....                        | 901,066       | 838,528 |

1/ Includes small quantity of rough rice milled equivalent.

Foreign Agricultural Service  
Grain and Feed Division, CAB/SSS  
February 1971

Source: Compiled from reports of the U.S. Department of Commerce



U.S. exports of wheat and flour during July-December 1970 totaled 10.2 million metric tons, 36 percent higher than during the same period a year earlier. Wheat gained almost 3 million tons to 9.5 million, while flour shipments declined 150,000 tons to about 700,000.

Japan was the largest market at 1.6 million tons, up 377,000 from a year earlier. India received 802,000 tons, up slightly. South Korea's takings at 785,000 tons, were up about 240,000, and shipments to Pakistan were up 185,000 tons to 350,000 tons.

Shipments to Brazil declined 284,000 tons to 390,000 tons and those to Venezuela were off 87,000 tons to 279,000 tons. Exports to the EC totaled 1.4 million tons, up over one-half million tons.

Exports to Africa totaled 822,000 tons, an increase of 323,000 tons. The majority of the shipments went to North African destinations.

U.S. exports of rye in the period declined to almost nothing.

U.S. exports of feedgrains during July-December 1970 amounted to 11.5 million metric tons, 6 percent above those of the same period a year ago.

Corn exports at 7.8 million tons were down 13 percent while sorghum shipments at 2.6 million tons were up about 750,000 tons over those of a year earlier. Barley and oats shipments both increased sharply.

Japan was the largest feedgrain buyer--taking 3.7 million tons, about 250,000 tons more than a year earlier. All of the gain was in sorghum, as shipments of all of the other feedgrains dropped.

Receipts by the EC countries were up by over a million tons at 4.1 million tons. The Netherlands as a buyer, at 2.0 million tons, was up about 700,000. Italy was down about 82,000 tons, but West Germany was up about 250,000 tons. Exports to the United Kingdom at 954,000 tons, mostly corn, were off 230,000 tons compared to a year earlier. Exports to Spain dropped sharply.

Shipments to Eastern Europe gained over 171,000 tons. Israel took 319,000 tons, down moderately. Canadian purchases at 200,000 tons were less than half of a year ago.

Rice exports during July-December 1970 amounted to 838,000 tons (milled equivalent), 7 percent less than in the same period a year earlier.

Over 70 percent of the total was shipped to Asian destinations. The largest recipient was South Vietnam, at 206,000 tons, down 42,000 tons. Indonesia took 220,000 tons. Shipments to the Republic of Korea increased sharply to over 100,000 tons.

Rice exports to Africa at 92,000 tons were off 13 percent. The Republic of South Africa was the principal market there. Shipments to the EC declined to 52,000 tons with West Germany the biggest taker.



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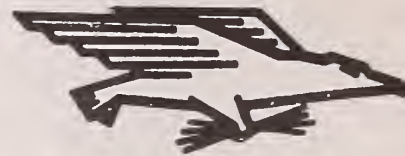
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## WORLD WHEAT PRODUCTION UP SLIGHTLY

### IN 1970; RYE DECLINES

#### Wheat

World wheat production in 1970 totaled 288 million metric tons according to estimates of the Foreign Agricultural Service. This total was barely above that of 1969 and is second of record to the 1968 crop of 308 million tons. World wheat area declined 5 percent. A big wheat harvest in the Soviet Union was largely responsible for the large world total.

Canada produced 9.0 million tons of wheat in 1970, 52 percent below the previous year, as area was cut in half under the Lower Inventory for Tomorrow program. The United States had a 37.5 million-ton harvest, 6 percent below 1969, while area declined 7 percent.

The South American wheat crop totaled 7.9 million tons, 22 percent below the 1969 outturn. The Argentine harvest of 4.2 million tons was the smallest since 1940, as drought limited both planted area and early season development. Brazil's production, on the other hand, gained 47 percent, on increased area, to 1.7 million tons.

Western Europe produced 43.7 million tons of wheat in 1970, down 3 percent. The EC outturn totaled 29.6 million tons, 6 percent below 1969 and 2 percent below the 1964-68 average. The EC area was 4 percent lower. Production in France, Germany and Spain declined substantially, while the United Kingdom showed a sharp gain.

The East European harvest was off 11 percent, at 22.5 million tons. Wet spring weather reduced the crop in several countries, particularly Hungary and Romania. The Yugoslav crop was reduced by dry fall planting conditions.

Continued

WHEAT: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1964-68, ANNUAL 1969 and 1970 1/

| CONTINENT AND COUNTRY              | AREA 2/     |             |             | YIELD       |       |         | PRODUCTION  |             |             |
|------------------------------------|-------------|-------------|-------------|-------------|-------|---------|-------------|-------------|-------------|
|                                    | AVE.1964-68 | 1969        | 1970 1/     | AVE.1964-68 | 1969  | 1970 3/ | AVE.1964-68 | 1969        | 1970 3/     |
|                                    | 1,000<br>HA | 1,000<br>HA | 1,000<br>HA | QU/HA       | QU/HA | QU/HA   | 1,000<br>MT | 1,000<br>MT | 1,000<br>MT |
| <b>NORTH AMERICA:</b>              |             |             |             |             |       |         |             |             |             |
| CANADA.....                        | 11,916      | 10,104      | 5,052       | 15.2        | 18.4  | 17.9    | 18,070      | 18,623      | 9,022       |
| GUATEMALA.....                     | 37          | 40          | 40          | 7.8         | 9.0   | 7.0     | 29          | 36          | 28          |
| MEXICO.....                        | 772         | 715         | 715         | 24.2        | 28.0  | 29.4    | 1,871       | 2,000       | 2,100       |
| UNITED STATES.....                 | 21,305      | 19,254      | 17,930      | 17.6        | 20.6  | 20.9    | 37,513      | 39,740      | 37,516      |
| TOTAL.....                         | 34,029      | 30,114      | 23,738      | 16.9        | 20.1  | 20.5    | 57,483      | 60,398      | 48,666      |
| <b>SOUTH AMERICA:</b>              |             |             |             |             |       |         |             |             |             |
| ARGENTINA.....                     | 5,520       | 5,191       | 3,313       | 13.3        | 13.5  | 12.7    | 7,329       | 7,020       | 4,215       |
| BRAZIL.....                        | 441         | 1,144       | 1,726       | 8.6         | 10.0  | 9.8     | 379         | 1,146       | 1,686       |
| CHILE.....                         | 759         | 740         | 769         | 16.0        | 17.7  | 17.3    | 1,216       | 1,307       | 1,330       |
| COLOMBIA.....                      | 102         | 73          | 71          | 10.3        | 11.0  | 11.3    | 105         | 80          | 80          |
| ECUADOR.....                       | 65          | 80          | 75          | 9.0         | 8.8   | 10.0    | 58          | 70          | 75          |
| PERU.....                          | 150         | 150         | 150         | 9.4         | 9.3   | 10.0    | 141         | 140         | 150         |
| URUGUAY.....                       | 438         | 336         | 324         | 9.8         | 12.0  | 12.0    | 427         | 403         | 389         |
| TOTAL.....                         | 7,475       | 7,714       | 6,428       | 12.9        | 13.2  | 12.3    | 9,656       | 10,166      | 7,925       |
| <b>EUROPE:</b>                     |             |             |             |             |       |         |             |             |             |
| BELGIUM.....                       | 211         | 199         | 183         | 38.6        | 38.2  | 39.1    | 814         | 761         | 715         |
| FRANCE.....                        | 4,164       | 4,034       | 3,760       | 33.5        | 35.8  | 34.4    | 13,962      | 14,459      | 12,922      |
| GERMANY, WEST.....                 | 1,425       | 1,494       | 1,493       | 36.6        | 40.2  | 37.9    | 5,220       | 6,000       | 5,662       |
| ITALY.....                         | 4,251       | 4,218       | 4,138       | 22.1        | 22.6  | 23.3    | 9,390       | 9,536       | 9,631       |
| LUXEMBOURG.....                    | 17          | 12          | 10          | 25.1        | 40.0  | 26.0    | 43          | 48          | 26          |
| NETHERLANDS.....                   | 153         | 155         | 142         | 45.5        | 43.7  | 45.3    | 696         | 677         | 643         |
| TOTAL EC.....                      | 10,221      | 10,112      | 9,726       | 29.5        | 31.1  | 30.4    | 30,125      | 31,481      | 29,599      |
| AUSTRIA.....                       | 299         | 287         | 275         | 29.4        | 33.1  | 29.5    | 880         | 950         | 810         |
| DENMARK.....                       | 107         | 97          | 114         | 44.6        | 44.2  | 44.9    | 477         | 429         | 512         |
| FINLAND.....                       | 247         | 204         | 176         | 19.1        | 23.0  | 23.2    | 471         | 481         | 409         |
| GREECE.....                        | 1,062       | 1,010       | 920         | 17.9        | 17.3  | 21.4    | 1,897       | 1,752       | 1,970       |
| IRELAND.....                       | 76          | 82          | 94          | 32.7        | 39.6  | 34.9    | 249         | 325         | 328         |
| NORWAY.....                        | 4           | 4           | 4           | 31.5        | 27.5  | 30.0    | 13          | 11          | 12          |
| PORTUGAL.....                      | 607         | 573         | 568         | 9.2         | 7.9   | 9.1     | 556         | 452         | 516         |
| SPAIN.....                         | 4,159       | 3,744       | 3,697       | 11.9        | 12.5  | 10.9    | 4,939       | 4,691       | 4,030       |
| SWEDEN.....                        | 245         | 265         | 263         | 39.7        | 34.6  | 37.3    | 974         | 917         | 982         |
| SWITZERLAND.....                   | 102         | 57          | 95          | 36.1        | 35.7  | 35.8    | 363         | 346         | 340         |
| UNITED KINGDOM.....                | 947         | 833         | 1,010       | 39.7        | 40.4  | 41.3    | 3,762       | 3,364       | 4,172       |
| TOTAL WESTERN EUROPE.....          | 18,076      | 17,308      | 16,942      | 24.7        | 26.1  | 25.8    | 44,709      | 45,199      | 43,680      |
| ALBANIA.....                       | 116         | ---         | ---         | 8.8         | ---   | ---     | 102         | ---         | ---         |
| BULGARIA.....                      | 1,136       | 1,035       | 1,000       | 24.5        | 24.5  | 28.5    | 2,785       | 2,540       | 2,850       |
| CZECHOSLOVAKIA.....                | 895         | 1,054       | 1,075       | 26.2        | 30.9  | 27.9    | 2,347       | 3,257       | 3,000       |
| GERMANY EAST.....                  | 502         | 560         | 575         | 36.1        | 35.5  | 33.9    | 1,812       | 1,987       | 1,950       |
| HUNGARY.....                       | 1,118       | 1,321       | 1,272       | 22.7        | 27.1  | 21.5    | 2,534       | 3,579       | 2,736       |
| POLAND.....                        | 1,673       | 1,965       | 2,000       | 21.7        | 24.0  | 23.6    | 3,674       | 4,710       | 4,720       |
| ROMANIA.....                       | 2,941       | 2,759       | 2,312       | 17.3        | 15.8  | 14.5    | 5,099       | 4,349       | 3,350       |
| YUGOSLAVIA.....                    | 1,900       | 2,019       | 1,831       | 22.0        | 24.2  | 20.7    | 4,188       | 4,880       | 3,790       |
| TOTAL EASTERN EUROPE.....          | 10,302      | 10,850      | 10,200      | 21.9        | 23.4  | 22.1    | 22,540      | 25,427      | 22,521      |
| TOTAL EUROPE 4/.....               | 28,378      | 28,158      | 27,142      | 23.7        | 25.1  | 24.4    | 67,250      | 70,626      | 66,201      |
| U.S.S.R. (EUROPE AND ASIA) 5/..... | 68,461      | 66,427      | 65,500      | 9.6         | 9.4   | 12.2    | 65,980      | 62,300      | 80,000      |
| <b>AFRICA:</b>                     |             |             |             |             |       |         |             |             |             |
| ALGERIA.....                       | 1,975       | 2,193       | ---         | 6.2         | 6.0   | ---     | 1,224       | 1,323       | ---         |
| ETHIOPIA.....                      | 427         | ---         | ---         | 7.4         | ---   | ---     | 317         | ---         | ---         |
| KENYA.....                         | 141         | 164         | 125         | 13.1        | 13.2  | 14.4    | 185         | 216         | 180         |
| MOROCCO.....                       | 1,715       | 1,764       | 1,879       | 3.0         | 9.1   | 10.0    | 1,365       | 1,612       | 1,870       |
| SOUTH AFRICA, REP OF.....          | 1,391       | 1,800       | 1,800       | 6.7         | 7.4   | 7.6     | 934         | 1,328       | 1,373       |
| SUDAN.....                         | 56          | ---         | ---         | 11.8        | ---   | ---     | 66          | ---         | ---         |
| TUNISIA.....                       | 900         | 750         | 750         | 4.4         | 4.9   | 6.0     | 393         | 370         | 450         |
| UAR-EGYPT.....                     | 543         | 523         | ---         | 26.5        | 24.2  | ---     | 1,441       | 1,268       | ---         |
| TOTAL 4/.....                      | 7,148       | 7,710       | 8,010       | 8.3         | 8.5   | 9.2     | 5,920       | 6,537       | 7,363       |
| <b>ASIA:</b>                       |             |             |             |             |       |         |             |             |             |
| AFGHANISTAN.....                   | 2,315       | ---         | ---         | 9.3         | ---   | ---     | 2,153       | ---         | ---         |
| CHINA-MAINLAND.....                | 24,900      | 23,500      | 23,600      | 9.1         | 9.5   | 10.2    | 22,560      | 22,300      | 24,000      |
| CYPRUS.....                        | 60          | 61          | 40          | 11.5        | 13.9  | 12.3    | 69          | 85          | 49          |
| INDIA.....                         | 13,490      | 15,958      | 10,626      | 9.0         | 11.7  | 12.1    | 12,100      | 18,652      | 20,093      |
| IRAN.....                          | 2,080       | ---         | ---         | 16.4        | ---   | ---     | 3,418       | ---         | ---         |
| ISRAEL.....                        | 74          | 113         | 107         | 20.5        | 13.8  | 11.8    | 151         | 156         | 126         |
| JAPAN.....                         | 417         | 287         | 229         | 26.7        | 26.4  | 20.7    | 1,113       | 758         | 474         |
| JORDAN.....                        | 244         | 225         | ---         | 7.6         | 8.4   | ---     | 185         | 190         | ---         |
| KOREA, REP OF.....                 | 152         | 154         | 159         | 20.8        | 23.7  | 22.5    | 316         | 365         | 357         |
| LEBANON.....                       | 60          | 61          | 61          | 9.0         | 8.2   | 8.2     | 54          | 50          | 50          |
| NEPAL.....                         | 127         | 150         | 150         | 14.8        | 15.1  | 16.7    | 188         | 227         | 250         |
| PAKISTAN.....                      | 5,427       | 6,350       | 6,350       | 8.6         | 10.4  | 11.5    | 4,654       | 6,600       | 7,300       |
| SYRIAN ARAB REP.....               | 1,127       | 930         | ---         | 7.7         | 5.5   | ---     | 870         | 600         | ---         |
| TURKEY.....                        | 7,332       | 8,300       | 8,100       | 10.9        | 10.0  | 9.9     | 8,006       | 8,300       | 8,000       |
| TOTAL 4/.....                      | 59,589      | 65,206      | 65,695      | 9.5         | 10.2  | 10.5    | 56,803      | 66,272      | 69,134      |
| <b>OCEANIA:</b>                    |             |             |             |             |       |         |             |             |             |
| AUSTRALIA.....                     | 8,539       | 9,451       | 7,001       | 12.2        | 11.5  | 12.1    | 10,431      | 10,835      | 8,437       |
| NEW ZEALAND.....                   | 101         | 105         | 105         | 35.4        | 26.5  | 35.0    | 358         | 278         | 367         |
| TOTAL.....                         | 8,640       | 9,556       | 7,106       | 12.5        | 11.6  | 12.4    | 10,789      | 11,113      | 8,804       |
| WORLD TOTAL 4/.....                | 213,721     | 214,885     | 203,619     | 12.8        | 13.4  | 14.1    | 273,892     | 287,412     | 288,093     |

1/ Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1970 is combined with estimates for the Southern Hemisphere harvests, which begin late in 1970 and end early in 1971. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Estimated totals include allowances for producing countries not shown. 5/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.



RYE: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1964-68, ANNUAL 1969 and 1970 1/

| CONTINENT AND COUNTRY         | AREA 2/      |          | YIELD   |              | PRODUCTION |          |          |
|-------------------------------|--------------|----------|---------|--------------|------------|----------|----------|
|                               | AVE. 1964-68 | 1969     | 1970 3/ | AVE. 1964-68 | 1969       | 1970 3/  | 1970 3/  |
|                               | 1,000 HA     | 1,000 HA | QU/HA   | QU/HA        | 1,000 MI   | 1,000 MI | 1,000 MI |
| NORTH AMERICA:                |              |          |         |              |            |          |          |
| CANADA.....                   | 285          | 375      | 12.7    | 11.2         | 362        | 419      | 570      |
| UNITED STATES.....            | 528          | 545      | 13.6    | 14.7         | 716        | 802      | 979      |
| TOTAL.....                    | 813          | 920      | 13.3    | 13.3         | 1,078      | 1,221    | 1,549    |
| SOUTH AMERICA:                |              |          |         |              |            |          |          |
| ARGENTINA.....                | 539          | 604      | 7.0     | 6.2          | 376        | 377      | 121      |
| TOTAL.....                    | 539          | 604      | 7.0     | 6.2          | 376        | 377      | 121      |
| EUROPE:                       |              |          |         |              |            |          |          |
| BELGIUM.....                  | 32           | 22       | 30.4    | 33.2         | 97         | 73       | 65       |
| FRANCE.....                   | 196          | 154      | 18.4    | 20.1         | 361        | 309      | 302      |
| GERMANY, WEST.....            | 1,046        | 873      | 29.6    | 33.1         | 3,096      | 2,889    | 2,665    |
| ITALY.....                    | 47           | 38       | 17.7    | 18.7         | 83         | 71       | 68       |
| LUXEMBURG.....                | 3            | 1        | 24.0    | 50.0         | 7          | 5        | 4        |
| NETHERLANDS.....              | 85           | 62       | 30.0    | 33.4         | 255        | 207      | 172      |
| TOTAL EC.....                 | 1,409        | 1,150    | 27.7    | 30.9         | 3,900      | 3,554    | 3,276    |
| AUSTRIA.....                  | 149          | 147      | 24.9    | 29.9         | 371        | 440      | 363      |
| DENMARK.....                  | 61           | 39       | 30.8    | 32.3         | 188        | 126      | 134      |
| FINLAND.....                  | 95           | 70       | 16.2    | 18.0         | 154        | 126      | 131      |
| GREECE.....                   | 14           | 8        | 11.3    | 8.8          | 16         | 7        | 7        |
| NORWAY.....                   | 1            | 1        | 22.0    | 40.0         | 2          | 4        | 4        |
| PORTUGAL.....                 | 278          | 236      | 6.4     | 7.1          | 179        | 167      | 149      |
| SPAIN.....                    | 391          | 333      | 8.9     | 10.5         | 350        | 348      | 250      |
| SWEDEN.....                   | 54           | 72       | 29.1    | 25.6         | 157        | 184      | 226      |
| SWITZERLAND.....              | 16           | 15       | 35.5    | 28.7         | 57         | 43       | 39       |
| UNITED KINGDOM.....           | 5            | 4        | 31.6    | 27.5         | 16         | 11       | 14       |
| TOTAL WESTERN EUROPE.....     | 2,471        | 2,075    | 21.8    | 24.1         | 5,389      | 5,010    | 4,593    |
| BULGARIA.....                 | 40           | 24       | 11.7    | 11.7         | 47         | 28       | 29       |
| CZECHOSLOVAKIA.....           | 374          | 276      | 21.4    | 24.9         | 801        | 687      | 440      |
| GERMANY EAST.....             | 779          | 690      | 24.1    | 22.4         | 1,878      | 1,544    | 1,450    |
| HUNGARY.....                  | 221          | 183      | 11.6    | 12.8         | 255        | 234      | 179      |
| POLAND.....                   | 4,334        | 4,174    | 18.0    | 19.6         | 7,781      | 8,166    | 5,715    |
| ROMANIA.....                  | 78           | 42       | 11.3    | 11.2         | 88         | 47       | 44       |
| YUGOSLAVIA.....               | 143          | 123      | 11.4    | 11.0         | 163        | 135      | 126      |
| TOTAL EASTERN EUROPE.....     | 5,969        | 5,512    | 18.5    | 19.7         | 11,013     | 10,841   | 7,983    |
| TOTAL EUROPE .....            | 8,440        | 7,587    | 19.4    | 20.9         | 16,402     | 15,851   | 12,576   |
| U.S.S.R. (EUROPE AND ASIA) 4/ | 14,221       | 9,200    | 9.0     | 10.7         | 12,800     | 9,800    | 12,000   |
| ASIA:                         |              |          |         |              |            |          |          |
| TURKEY.....                   | 717          | 700      | 10.5    | 11.0         | 752        | 770      | 700      |
| TOTAL.....                    | 717          | 700      | 10.5    | 11.0         | 752        | 770      | 700      |
| WORLD TOTAL .....             | 24,730       | 19,010   | 12.7    | 14.7         | 31,408     | 28,019   | 26,946   |

1/ Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1970 is combined with estimates for the Southern Hemisphere harvests, which begin late in 1970 and end early in 1971. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Production estimated.

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Grains & Feeds Circular  
FG-C (10004) FG 7-71

The Soviet Union had an estimated 80 million-ton wheat harvest, 28 percent over 1969 and second of record to the 85 million tons produced in 1966. Little weather damage to the fall planted crop and plentiful moisture supplies in all wheat areas during the growing season account for the good outturn.

The African crop, estimated at 7.4 million tons, was up 13 percent. The Moroccan crop gained 13 percent at 1.9 million tons.

The Asian wheat harvest at 69.1 million tons, was up 4 percent. Mainland China, India and Pakistan all had substantially larger crops.

Australia produced an 8.4 million-ton wheat crop, down 22 percent, as area was sharply reduced under a restrictive delivery quota system.

### Rye

The world rye harvest in 1970 is estimated at 26.9 million tons, 4 percent below 1969 and 14 percent below the 1964-68 average. Rye area was up 4 percent for the year, but 20 percent below the 5-year average.

The North American rye harvest totaled 1.5 million tons, up 27 percent on gains in both Canada and the United States. Argentine production was only a third of the 1969 crop because of drought.

Rye production in Western Europe totaled 4.6 million tons, down 8 percent. The EC harvested 3.3 million tons, 8 percent below 1969. The West German crop was likewise 8 percent lower.

The East European rye crop, at 8.0 million tons, was down 26 percent. Poland harvested 5.7 million tons, down 30 percent.

Rye production in the USSR is estimated at 12.0 million tons, up 22 percent but still below average. Turkey produced 700,000 tons, down 9 percent.

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April 1971

## WORLD BARLEY PRODUCTION UNCHANGED

IN 1970; OATS DOWN 2 PERCENT

### BARLEY

The world barley harvest in 1970 totaled 117 million metric tons, virtually the same as in 1969, according to Foreign Agricultural Service estimates.

The North American barley crop totaled 18.2 million tons, up 4 percent. Canada produced a record 9.1 million tons, up 10 percent. The United States turned out 8.9 million tons, down 2 percent.

The South American barley harvest was down 13 percent, at 924,000 tons. The Argentine crop was 30 percent lower on smaller area.

The West European crop totaled 35.9 million tons, 8 percent below 1969. The EC harvest, at 14.0 million tons, was down 12 percent, as yields declined 15 percent. A 19 percent increase in the Swedish crop was the principal exception to the general decline.

Eastern Europe produced 8.7 million tons of barley, down 6 percent. Czechoslovakia, East Germany and Hungary had sharply reduced yields.

The USSR barley crop is estimated at 29.5 million tons, up 24 percent, as good weather favored yield.

African barley production totaled 3.0 million tons, up 5 percent reflecting a good crop in Morocco.

The Asian harvest is estimated at 18.1 million tons, 2 percent lower. Australia produced 2.4 million tons, up a third, as area was increased by 41 percent.

(Continued)



BARLEY: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1964-68, ANNUAL 1969 and 1970 1/

| CONTINENT AND COUNTRY         | AREA 2/      |             |             | YIELD        |       |         | PRODUCTION   |             |             |
|-------------------------------|--------------|-------------|-------------|--------------|-------|---------|--------------|-------------|-------------|
|                               | AVE. 1964-68 | 1969        | 1970 3/     | AVE. 1964-68 | 1969  | 1970 3/ | AVE. 1964-68 | 1969        | 1970 3/     |
|                               | 1,000<br>HA  | 1,000<br>HA | 1,000<br>HA | QU/HA        | QU/HA | QU/HA   | 1,000<br>MT  | 1,000<br>MT | 1,000<br>MT |
| <b>NORTH AMERICA:</b>         |              |             |             |              |       |         |              |             |             |
| CANADA.....                   | 2,906        | 3,859       | 4,064       | 18.8         | 21.3  | 22.3    | 5,472        | 8,238       | 9,051       |
| MEXICO.....                   | 218          | 220         | 315         | 9.0          | 8.6   | 7.9     | 195          | 190         | 250         |
| UNITED STATES.....            | 3,927        | 3,799       | 3,902       | 21.8         | 23.9  | 22.9    | 8,567        | 9,082       | 8,936       |
| TOTAL.....                    | 7,050        | 7,878       | 8,281       | 20.2         | 22.2  | 22.0    | 14,234       | 17,510      | 18,237      |
| <b>SOUTH AMERICA:</b>         |              |             |             |              |       |         |              |             |             |
| ARGENTINA.....                | 477          | 458         | 324         | 11.8         | 12.4  | 12.3    | 562          | 570         | 400         |
| CHILE.....                    | 62           | 47          | 47          | 20.4         | 20.6  | 20.2    | 127          | 97          | 95          |
| COLOMBIA.....                 | 57           | 57          | 61          | 16.8         | 14.0  | 16.4    | 96           | 80          | 100         |
| ECUADOR.....                  | 106          | 110         | 105         | 9.3          | 9.1   | 10.5    | 99           | 100         | 110         |
| PERU.....                     | 176          | 180         | 185         | 9.7          | 9.4   | 9.5     | 171          | 170         | 175         |
| URUGUAY.....                  | 37           | 39          | 40          | 8.5          | 10.5  | 11.0    | 31           | 41          | 44          |
| TOTAL.....                    | 915          | 891         | 762         | 11.9         | 11.9  | 12.1    | 1,086        | 1,058       | 924         |
| <b>EUROPE:</b>                |              |             |             |              |       |         |              |             |             |
| BELGIUM.....                  | 149          | 170         | 155         | 36.5         | 35.9  | 37.0    | 544          | 610         | 573         |
| FRANCE.....                   | 2,597        | 2,859       | 2,929       | 31.1         | 33.1  | 27.3    | 8,072        | 9,452       | 8,009       |
| GERMANY, WEST.....            | 1,254        | 1,386       | 1,475       | 33.3         | 37.0  | 32.2    | 4,171        | 5,130       | 4,754       |
| ITALY.....                    | 184          | 175         | 180         | 14.6         | 16.7  | 17.5    | 268          | 292         | 315         |
| LUXEMBOURG.....               | 12           | 18          | 16          | 29.8         | 36.1  | 30.6    | 36           | 65          | 49          |
| NETHERLANDS.....              | 104          | 99          | 105         | 36.9         | 39.3  | 31.8    | 384          | 389         | 334         |
| TOTAL EC.....                 | 4,298        | 4,777       | 4,860       | 31.3         | 33.9  | 28.9    | 13,475       | 15,938      | 14,034      |
| AUSTRIA.....                  | 229          | 274         | 290         | 29.5         | 34.1  | 31.5    | 675          | 935         | 913         |
| DENMARK.....                  | 1,106        | 1,305       | 1,350       | 39.1         | 40.3  | 35.7    | 4,323        | 5,255       | 4,813       |
| FINLAND.....                  | 306          | 402         | 404         | 19.1         | 20.9  | 21.8    | 585          | 842         | 881         |
| GREECE.....                   | 296          | 311         | 343         | 17.9         | 17.0  | 22.7    | 530          | 529         | 779         |
| IRELAND.....                  | 185          | 198         | 219         | 32.6         | 37.1  | 34.2    | 603          | 734         | 750         |
| NORWAY.....                   | 133          | 185         | 184         | 27.1         | 26.3  | 31.0    | 495          | 486         | 570         |
| PORTUGAL.....                 | 114          | 119         | 134         | 5.9          | 4.5   | 4.0     | 67           | 54          | 53          |
| SPAIN.....                    | 1,536        | 2,164       | 2,157       | 15.8         | 17.9  | 14.4    | 2,422        | 3,855       | 3,100       |
| SWEDEN.....                   | 511          | 593         | 586         | 29.6         | 26.6  | 31.9    | 1,512        | 1,575       | 1,869       |
| SWITZERLAND.....              | 31           | 37          | 41          | 34.5         | 35.7  | 34.1    | 107          | 132         | 140         |
| UNITED KINGDOM.....           | 2,311        | 2,413       | 2,243       | 36.7         | 35.9  | 35.6    | 8,471        | 8,663       | 7,994       |
| TOTAL WESTERN EUROPE.....     | 11,107       | 12,708      | 12,811      | 29.9         | 30.7  | 28.0    | 33,263       | 38,998      | 35,896      |
| BULGARIA.....                 | 387          | 414         | 460         | 23.2         | 22.2  | 22.0    | 899          | 918         | 1,012       |
| CZECHOSLOVAKIA.....           | 694          | 778         | 800         | 24.5         | 32.1  | 28.8    | 1,697        | 2,499       | 2,300       |
| GERMANY EAST.....             | 526          | 642         | 640         | 33.2         | 32.2  | 30.5    | 1,744        | 2,067       | 1,950       |
| HUNGARY.....                  | 469          | 381         | 283         | 19.5         | 23.8  | 19.6    | 916          | 907         | 556         |
| POLAND.....                   | 681          | 759         | 830         | 20.7         | 25.7  | 23.4    | 1,409        | 1,948       | 1,940       |
| ROMANIA.....                  | 245          | 300         | 320         | 19.9         | 18.1  | 18.0    | 487          | 544         | 576         |
| YUGOSLAVIA.....               | 365          | 299         | 282         | 16.4         | 15.4  | 14.3    | 597          | 459         | 402         |
| TOTAL EASTERN EUROPE.....     | 3,366        | 3,573       | 3,615       | 23.0         | 26.1  | 24.2    | 7,749        | 9,342       | 8,736       |
| TOTAL EUROPE.....             | 14,473       | 16,281      | 16,426      | 28.3         | 29.7  | 27.2    | 41,012       | 48,340      | 44,632      |
| U.S.S.R. (EUROPE AND ASIA) 4/ | 19,860       | 22,484      | 21,500      | 11.3         | 11.9  | 13.7    | 22,420       | 26,800      | 29,500      |
| <b>AFRICA:</b>                |              |             |             |              |       |         |              |             |             |
| ALGERIA.....                  | 535          | 607         | 688         | 6.2          | 8.2   | 5.1     | 333          | 500         | 350         |
| MOROCCO.....                  | 1,768        | 1,669       | 1,700       | 7.0          | 7.8   | 8.7     | 1,237        | 1,309       | 1,477       |
| SOUTH AFRICA, REP OF.....     | 40           | 50          | 40          | 8.8          | 4.0   | 6.8     | 35           | 20          | 27          |
| TUNISIA.....                  | 460          | 345         | 410         | 2.6          | 2.3   | 4.6     | 118          | 80          | 190         |
| UAR-EGYPT.....                | 48           | 45          | ---         | 24.1         | 22.2  | ---     | 116          | 100         | ---         |
| TOTAL 5/.....                 | 3,846        | 3,766       | 3,883       | 7.0          | 7.6   | 7.7     | 2,678        | 2,859       | 2,994       |
| <b>ASIA:</b>                  |              |             |             |              |       |         |              |             |             |
| CYPRUS.....                   | 77           | 83          | 55          | 10.1         | 12.7  | 9.1     | 78           | 105         | 50          |
| INDIA.....                    | 2,858        | 2,758       | 2,765       | 9.0          | 8.8   | 9.8     | 2,553        | 2,424       | 2,716       |
| IRAN.....                     | 1,497        | 1,600       | 1,700       | 6.9          | 7.5   | 7.1     | 1,038        | 1,200       | 1,200       |
| IRAQ.....                     | 1,109        | 1,093       | 1,050       | 7.0          | 6.7   | 6.7     | 774          | 730         | 700         |
| ISRAEL.....                   | 51           | 25          | 17          | 11.2         | 8.4   | 7.6     | 57           | 21          | 13          |
| JAPAN.....                    | 391          | 283         | 225         | 28.6         | 28.7  | 25.5    | 1,119        | 812         | 573         |
| KOREA, REP OF.....            | 972          | 949         | 911         | 19.2         | 21.8  | 21.7    | 1,868        | 2,066       | 1,974       |
| PAKISTAN.....                 | 190          | 190         | 195         | 6.0          | 6.6   | 6.6     | 114          | 126         | 128         |
| SYRIAN ARAB REP.....          | 575          | 546         | 406         | 7.8          | 6.4   | 5.8     | 446          | 350         | 325         |
| TURKEY.....                   | 2,737        | 2,735       | 2,740       | 12.2         | 13.5  | 12.8    | 3,340        | 3,700       | 3,500       |
| TOTAL 5/.....                 | 17,346       | 16,752      | 16,631      | 10.5         | 11.0  | 10.9    | 13,249       | 13,352      | 13,061      |
| <b>OCEANIA:</b>               |              |             |             |              |       |         |              |             |             |
| AUSTRALIA.....                | 1,035        | 1,578       | 2,226       | 11.5         | 11.3  | 10.7    | 1,189        | 1,789       | 2,381       |
| NEW ZEALAND.....              | 47           | 53          | 69          | 34.3         | 31.2  | 33.5    | 161          | 165         | 231         |
| TOTAL.....                    | 1,081        | 1,631       | 2,295       | 12.5         | 12.0  | 11.4    | 1,350        | 1,955       | 2,613       |
| WORLD TOTAL 5/.....           | 64,572       | 69,633      | 69,777      | 15.6         | 16.8  | 16.8    | 101,029      | 116,874     | 116,961     |

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1970 is combined with estimates for Southern Hemisphere harvests which begin late in 1970 and end early in 1971. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Production estimated. 5/ Estimated totals include allowances for producing countries not shown.

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OATS: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1964-68, ANNUAL 1969 and 1970 1/

| CONTINENT AND COUNTRY         | AREA 2/      |             |             | YIELD        |       |         | PRODUCTION   |             |             |
|-------------------------------|--------------|-------------|-------------|--------------|-------|---------|--------------|-------------|-------------|
|                               | AVE. 1964-68 | 1969        | 1970 3/     | AVE. 1964-68 | 1969  | 1970 3/ | AVE. 1964-68 | 1969        | 1970 3/     |
|                               | 1,000<br>HA  | 1,000<br>HA | 1,000<br>HA | QU/HA        | QU/HA | QU/HA   | 1,000<br>MT  | 1,000<br>MT | 1,000<br>MT |
| <b>NORTH AMERICA:</b>         |              |             |             |              |       |         |              |             |             |
| CANADA.....                   | 3,218        | 3,298       | 2,893       | 17.4         | 18.5  | 19.6    | 5,594        | 5,728       | 5,673       |
| MEXICO.....                   | 76           | 35          | 35          | 7.9          | 5.7   | 5.7     | 60           | 20          | 20          |
| UNITED STATES.....            | 7,256        | 7,286       | 7,519       | 17.2         | 18.9  | 17.6    | 12,509       | 13,787      | 13,201      |
| TOTAL.....                    | 10,551       | 10,419      | 10,447      | 17.2         | 18.7  | 18.1    | 18,163       | 19,535      | 18,894      |
| <b>SOUTH AMERICA:</b>         |              |             |             |              |       |         |              |             |             |
| ARGENTINA.....                | 472          | 327         | 276         | 12.7         | 13.0  | 13.5    | 601          | 425         | 372         |
| CHILE.....                    | 52           | 73          | 83          | 13.3         | 15.2  | 14.5    | 122          | 111         | 120         |
| URUGUAY.....                  | 88           | 75          | 75          | 8.2          | 8.0   | 8.0     | 72           | 60          | 60          |
| TOTAL.....                    | 652          | 475         | 434         | 12.2         | 12.5  | 12.7    | 796          | 596         | 552         |
| <b>EUROPE:</b>                |              |             |             |              |       |         |              |             |             |
| BELGIUM.....                  | 107          | 84          | 72          | 33.4         | 33.7  | 30.0    | 357          | 283         | 216         |
| FRANCE.....                   | 1,044        | 851         | 799         | 24.3         | 27.1  | 25.9    | 2,537        | 2,309       | 2,070       |
| GERMANY, WEST.....            | 780          | 860         | 825         | 31.6         | 34.6  | 30.1    | 2,462        | 2,976       | 2,484       |
| ITALY.....                    | 358          | 312         | 303         | 13.2         | 15.7  | 16.0    | 473          | 491         | 486         |
| LUXEMBOURG.....               | 14           | 15          | 14          | 24.6         | 34.7  | 35.7    | 34           | 52          | 50          |
| NETHERLANDS.....              | 93           | 82          | 76          | 39.2         | 41.0  | 37.0    | 365          | 336         | 281         |
| TOTAL EC.....                 | 2,397        | 2,204       | 2,089       | 26.0         | 29.3  | 26.7    | 6,229        | 6,447       | 5,587       |
| AUSTRIA.....                  | 130          | 102         | 102         | 24.4         | 28.2  | 26.7    | 317          | 288         | 272         |
| DENMARK.....                  | 222          | 205         | 184         | 38.1         | 37.3  | 34.3    | 846          | 765         | 631         |
| FINLAND.....                  | 473          | 524         | 524         | 19.7         | 21.9  | 24.0    | 930          | 1,146       | 1,258       |
| GREECE.....                   | 117          | 96          | 77          | 13.3         | 12.4  | 14.3    | 155          | 119         | 110         |
| IRELAND.....                  | 173          | 77          | 69          | 28.5         | 31.7  | 30.4    | 294          | 244         | 210         |
| NORWAY.....                   | 47           | 54          | 69          | 26.8         | 25.9  | 30.7    | 126          | 140         | 209         |
| PORTUGAL.....                 | 231          | 207         | 220         | 4.2          | 3.8   | 3.4     | 97           | 79          | 75          |
| SPAIN.....                    | 497          | 498         | 472         | 8.9          | 10.7  | 8.7     | 443          | 533         | 409         |
| SWEDEN.....                   | 468          | 479         | 489         | 29.3         | 23.6  | 33.6    | 1,372        | 1,129       | 1,641       |
| SWITZERLAND.....              | 10           | 10          | 11          | 32.6         | 36.0  | 30.0    | 33           | 36          | 33          |
| UNITED KINGDOM.....           | 405          | 382         | 382         | 31.6         | 34.5  | 34.0    | 1,281        | 1,319       | 1,299       |
| TOTAL WESTERN EUROPE....      | 5,098        | 4,838       | 4,687       | 23.8         | 25.3  | 25.0    | 12,122       | 12,245      | 11,734      |
| BULGARIA.....                 | 116          | 76          | 75          | 11.7         | 10.3  | 13.1    | 136          | 78          | 93          |
| CZECHOSLOVAKIA.....           | 398          | 400         | 410         | 19.5         | 24.2  | 22.9    | 776          | 969         | 940         |
| GERMANY EAST.....             | 268          | 272         | 260         | 29.4         | 30.9  | 28.8    | 789          | 841         | 750         |
| HUNGARY.....                  | 60           | 48          | 44          | 11.5         | 16.7  | 13.2    | 69           | 80          | 58          |
| POLAND.....                   | 1,424        | 1,367       | 1,540       | 18.3         | 22.4  | 20.8    | 2,600        | 3,063       | 3,200       |
| ROMANIA.....                  | 120          | 131         | 125         | 10.8         | 10.5  | 10.0    | 130          | 137         | 125         |
| YUGOSLAVIA.....               | 307          | 273         | 283         | 10.9         | 11.3  | 10.9    | 335          | 308         | 309         |
| TOTAL EASTERN EUROPE....      | 2,692        | 2,567       | 2,737       | 18.0         | 21.3  | 20.0    | 4,835        | 5,476       | 5,480       |
| TOTAL EUROPE .....            | 7,791        | 7,405       | 7,424       | 21.8         | 23.9  | 23.2    | 16,957       | 17,721      | 17,214      |
| U.S.S.R. (EUROPE AND ASIA) 4/ | 7,440        | 9,300       | 8,500       | 9.5          | 11.5  | 12.4    | 7,060        | 10,700      | 10,500      |
| <b>AFRICA:</b>                |              |             |             |              |       |         |              |             |             |
| MOROCCO.....                  | 18           | 21          | 22          | 9.4          | 7.6   | 10.0    | 17           | 16          | 22          |
| SOUTH AFRICA, REP OF.....     | 242          | 350         | 325         | 5.4          | 3.1   | 3.9     | 131          | 110         | 127         |
| TOTAL 5/ .....                | 289          | 403         | 379         | 6.0          | 3.5   | 4.5     | 173          | 141         | 169         |
| <b>ASIA:</b>                  |              |             |             |              |       |         |              |             |             |
| JAPAN.....                    | 54           | 34          | 27          | 20.5         | 19.7  | 22.6    | 111          | 67          | 61          |
| TURKEY.....                   | 393          | 375         | 370         | 11.5         | 12.5  | 11.6    | 450          | 468         | 430         |
| TOTAL 5/ .....                | 1,795        | 1,744       | 1,747       | 7.7          | 7.7   | 8.0     | 1,377        | 1,335       | 1,391       |
| <b>OCEANIA:</b>               |              |             |             |              |       |         |              |             |             |
| AUSTRALIA.....                | 1,520        | 1,731       | 2,023       | 8.9          | 9.4   | 8.5     | 1,349        | 1,678       | 1,724       |
| NEW ZEALAND.....              | 14           | 20          | 17          | 30.6         | 27.6  | 33.1    | 43           | 55          | 56          |
| TOTAL.....                    | 1,534        | 1,801       | 2,041       | 9.1          | 9.6   | 8.7     | 1,392        | 1,733       | 1,780       |
| WORLD TOTAL 5/ .....          | 30,052       | 31,546      | 30,972      | 15.3         | 16.4  | 16.3    | 45,917       | 51,761      | 50,500      |

1/ Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1970 is combined with estimates for the Southern Hemisphere harvests which begin late in 1970 and end early in 1971. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Production estimated. 5/ Estimated totals include allowances for producing countries not shown.

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### OATS

World production of oats in 1970 is estimated at 50.5 million tons, 2 percent below 1969. World area was also 2 percent lower.

The North American oat harvest totaled 18.9 million tons, off 3 percent. Canada produced 5.7 million tons, down 1 percent, and the United States 13.2 million tons, down 4 percent.

South American oat production at 552,000 tons declined 21 percent, because of a short crop in Argentina.

Western Europe produced 11.7 million tons of oats in 1970, 4 percent below the previous year. The EC crop was off 13 percent, at 5.6 million tons, on declines in both area and yield. The French harvest was off 10 percent and the West German 17 percent. The Swedish outturn recovered sharply from the poor 1969 crop.

The East European oat crop was little changed at 5.5 million tons. Soviet production is estimated slightly lower, at 10.5 million tons, on smaller area.

Oat production in Africa and Asia was without significant change. Australia harvested 1.7 million tons, up 3 percent, as area gained 14 percent.



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April 1971

## GRAIN STOCKS IN MAJOR EXPORTING COUNTRIES

### ON JANUARY 1 DECLINE 11 PERCENT

Stocks of grain in the United States, Canada, Argentina, and Australia on January 1, 1971 totaled 230 million metric tons, 11 percent below the 1970 record and 3 percent below the 1969 total, according to Foreign Agricultural Service estimates.

Wheat stocks in the four countries totaled 87.7 million tons, 15 percent below the record level of 1970. Barley stocks at 20.0 million tons were down 8 percent, but still second of record. Stocks of corn declined 11 percent to 99.3 million tons, the lowest since 1967. Oat stocks were up 1 percent at 21.2 million tons and rye was up 14 percent at 1.8 million.

Stocks of the five grains in the United States totaled 156.2 million tons, down 10 percent for the year. Wheat stocks declined 8 percent to 38.6 million tons. Barley stocks at 8.3 million tons were down 11 percent and corn at 95.0 million tons was off 13 percent. Stocks of oats at 13.3 million tons were 3 percent higher and rye was at a record 1.0 million tons. Additionally, the United States held 15.6 million tons of grain sorghum, 12 percent lower than a year earlier.

Canadian grain stocks on January 1 totaled 46.5 million tons, down 16 percent. Wheat stocks at 29.5 million tons were down 22 percent. While production was deliberately reduced by 9.6 million tons the actual decline in stocks was only 8.1 million tons. Barley stocks were off 13 percent at 8.6 million tons and oats declined 6 percent to 5.5 million tons. Stocks of corn and rye were both substantially higher.

(Continued)



| Country and year      | Wheat   | Rye   | Barley | Oats   | Corn    | Total   |
|-----------------------|---------|-------|--------|--------|---------|---------|
|                       | 1,000   | 1,000 | 1,000  | 1,000  | 1,000   | 1,000   |
|                       | m. t.   | m. t. | m. t.  | m. t.  | m. t.   | m. t.   |
| United States:        |         |       |        |        |         |         |
| Average 1950-54 ..... | 28,304  | 406   | 4,267  | 12,425 | 65,583  | 110,985 |
| Average 1955-59 ..... | 42,140  | 605   | 7,146  | 13,812 | 85,308  | 149,011 |
| 1960 .....            | 51,029  | 508   | 7,860  | 11,118 | 110,337 | 180,852 |
| 1961 .....            | 56,282  | 660   | 7,794  | 12,367 | 119,050 | 196,153 |
| 1962 .....            | 53,968  | 483   | 7,315  | 11,249 | 114,173 | 187,188 |
| 1963 .....            | 49,451  | 610   | 7,533  | 11,177 | 107,112 | 175,883 |
| 1964 .....            | 43,926  | 381   | 7,250  | 11,220 | 111,354 | 174,131 |
| 1965 .....            | 39,446  | 540   | 6,747  | 10,310 | 100,479 | 157,522 |
| 1966 .....            | 36,360  | 732   | 6,549  | 11,067 | 102,650 | 157,358 |
| 1967 .....            | 28,552  | 721   | 6,409  | 9,607  | 93,406  | 138,695 |
| 1968 .....            | 32,988  | 705   | 6,601  | 9,481  | 108,136 | 157,911 |
| 1969 .....            | 36,624  | 618   | 8,090  | 11,379 | 107,528 | 164,239 |
| 1970 .....            | 41,762  | 758   | 9,291  | 12,850 | 109,641 | 174,302 |
| 1971 2/ .....         | 38,575  | 1,038 | 8,294  | 13,266 | 95,040  | 156,213 |
| Canada:               |         |       |        |        |         |         |
| Average 1950-54 ..... | 15,322  | 508   | 4,224  | 5,413  | 2/      | 25,467  |
| Average 1955-59 ..... | 23,759  | 549   | 5,613  | 5,774  | 2/      | 35,695  |
| 1960 .....            | 23,133  | 305   | 5,704  | 5,090  | 2/      | 34,232  |
| 1961 .....            | 25,446  | 356   | 5,400  | 5,398  | 2/      | 36,600  |
| 1962 .....            | 18,234  | 203   | 3,484  | 4,318  | 2/      | 26,239  |
| 1963 .....            | 20,820  | 229   | 3,767  | 6,354  | 2/      | 31,170  |
| 1964 .....            | 24,603  | 305   | 5,334  | 6,710  | 2/      | 36,952  |
| 1965 .....            | 22,260  | 376   | 4,480  | 5,726  | 1,003   | 33,845  |
| 1966 .....            | 22,725  | 495   | 5,125  | 5,689  | 1,186   | 35,220  |
| 1967 .....            | 25,529  | 526   | 6,520  | 5,117  | 1,219   | 38,911  |
| 1968 .....            | 27,313  | 408   | 6,271  | 4,475  | 1,448   | 39,915  |
| 1969 .....            | 30,729  | 353   | 7,970  | 5,111  | 1,524   | 45,687  |
| 1970 .....            | 37,576  | 498   | 9,908  | 5,853  | 1,500   | 55,335  |
| 1971 2/ .....         | 29,497  | 676   | 8,626  | 5,488  | 2,200   | 46,487  |
| Argentina:            |         |       |        |        |         |         |
| Average 1950-54 ..... | 5,906   | 813   | 784    | 987    | 890     | 9,380   |
| Average 1955-59 ..... | 7,838   | 853   | 1,206  | 958    | 1,016   | 11,871  |
| 1960 .....            | 7,076   | 965   | 1,160  | 1,016  | 1,397   | 11,614  |
| 1961 .....            | 5,307   | 560   | 870    | 943    | 635     | 8,315   |
| 1962 .....            | 5,715   | 533   | 827    | 870    | 1,143   | 9,088   |
| 1963 .....            | 4,900   | 203   | 435    | 508    | 890     | 6,936   |
| 1964 .....            | 9,335   | 533   | 1,197  | 1,030  | 890     | 12,985  |
| 1965 .....            | 11,630  | 655   | 805    | 840    | 950     | 14,880  |
| 1966 .....            | 8,807   | 256   | 400    | 486    | 1,160   | 11,109  |
| 1967 .....            | 5,960   | 255   | 410    | 515    | 1,595   | 8,735   |
| 1968 .....            | 7,603   | 344   | 592    | 665    | 1,549   | 10,753  |
| 1969 .....            | 6,800   | 340   | 525    | 450    | 1,725   | 9,840   |
| 1970 .....            | 6,500   | 350   | 500    | 340    | 625     | 8,315   |
| 1971 2/ .....         | 5,129   | 125   | 381    | 351    | 2,016   | 8,002   |
| Australia:            |         |       |        |        |         |         |
| Average 1950-54 ..... | 5,688   | 2/    | 653    | 668    | 2/      | 7,009   |
| Average 1955-59 ..... | 5,900   | 2/    | 949    | 964    | 2/      | 7,813   |
| 1960 .....            | 6,668   | 2/    | 870    | 1,452  | 2/      | 8,990   |
| 1961 .....            | 8,573   | 2/    | 1,415  | 1,626  | 2/      | 11,614  |
| 1962 .....            | 6,940   | 2/    | 893    | 1,350  | 2/      | 9,183   |
| 1963 .....            | 8,410   | 2/    | 1,002  | 1,524  | 2/      | 10,936  |
| 1964 .....            | 8,790   | 2/    | 1,100  | 1,600  | 2/      | 11,490  |
| 1965 .....            | 10,342  | 2/    | 1,168  | 1,850  | 2/      | 13,360  |
| 1966 .....            | 7,275   | 2/    | 925    | 1,140  | 2/      | 9,340   |
| 1967 .....            | 12,770  | 2/    | 1,474  | 1,905  | 2/      | 16,149  |
| 1968 .....            | 9,781   | 2/    | 948    | 1,444  | 2/      | 12,173  |
| 1969 .....            | 14,720  | 2/    | 1,748  | 1,972  | 2/      | 18,440  |
| 1970 .....            | 17,309  | 2/    | 1,975  | 1,896  | 2/      | 21,180  |
| 1971 2/ .....         | 14,501  | 2/    | 2,650  | 2,125  | 2/      | 19,276  |
| Total:                |         |       |        |        |         |         |
| Average 1950-54 ..... | 55,220  | 1,727 | 9,928  | 19,493 | 66,473  | 152,841 |
| Average 1955-59 ..... | 79,637  | 2,007 | 14,914 | 21,508 | 86,324  | 204,390 |
| 1960 .....            | 87,906  | 1,778 | 15,594 | 18,676 | 111,734 | 235,688 |
| 1961 .....            | 95,608  | 1,576 | 15,479 | 20,334 | 119,685 | 252,682 |
| 1962 .....            | 84,857  | 1,219 | 12,519 | 17,787 | 115,316 | 231,698 |
| 1963 .....            | 83,581  | 1,042 | 12,737 | 19,563 | 108,002 | 224,925 |
| 1964 .....            | 86,654  | 1,219 | 14,881 | 20,560 | 112,244 | 235,558 |
| 1965 .....            | 83,678  | 1,571 | 13,200 | 18,726 | 102,432 | 219,607 |
| 1966 .....            | 75,167  | 1,483 | 12,999 | 18,382 | 104,996 | 213,027 |
| 1967 .....            | 72,811  | 1,502 | 14,813 | 17,144 | 96,220  | 202,490 |
| 1968 .....            | 77,635  | 1,457 | 14,412 | 16,065 | 111,133 | 220,752 |
| 1969 .....            | 88,873  | 1,311 | 18,333 | 18,912 | 110,777 | 238,206 |
| 1970 .....            | 103,147 | 1,606 | 21,674 | 20,939 | 111,766 | 259,132 |
| 1971 2/ .....         | 87,702  | 1,839 | 19,951 | 21,230 | 99,256  | 229,978 |

1/ Data for Northern Hemisphere countries represent stocks remaining on January 1; estimates for Southern Hemisphere countries include the recently harvested new crop of small grains as well as stocks of old grain on January 1. 2/ Preliminary. 3/ Production small and stocks of minor importance.

Foreign Agricultural Service, Prepared or estimates on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

Argentina held 8.0 million tons of the five grains on January 1, down 4 percent. Stocks of wheat, following a poor crop, were off 21 percent at 5.1 million tons. Barley and rye were also sharply lower. Oats were little changed, but corn was well above average at 2.0 million tons. Argentina also had grain sorghum stocks of about 1.2 million tons.

Australian grain stocks totaled 19.3 million tons, down 9 percent. Stocks of wheat declined 16 percent (2.8 million tons) to 14.5 million tons as production was reduced by 4.0 million tons. Barley stocks gained 34 percent at 2.6 million tons and oats 12 percent at 2.1 million.





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June 1971

U.S. EXPORTS OF COARSE GRAIN AND  
PRODUCTS INCREASE 12 PERCENT

Exports of U.S. coarse grains and products totaled 19.6 million metric tons during fiscal 1969-70, 12 percent more than the 16.5 million tons exported in 1968-69. Coarse grain exports were 19.2 million tons and products were 0.4 million.

COARSE GRAINS

Corn exports totaled 15.8 million metric tons, compared with 13.0 in 1968-69 - up 12 percent. Sorghum exports were 3.0 million tons compared to 2.7 million tons in 1968-69 up 11 percent. Oats and barley exports totaled 21,700 and 297,000 tons respectively compared to 55,000 and 250,000 tons last year.

COARSE GRAIN PRODUCTS

Exports of coarse grain products consisting of corn meal, hominy and grits, cornstarch, oatmeal, and barley malt (grain equivalent) totaled 425,000 metric tons compared to 506,000 in 1968-69.

Total corn products were 369,000 tons, down from 436,000 in 1968-69. This large decline occurred because less corn products were shipped for relief in 1969-70. Corn meal totaled 248,000 tons compared to 339,000 in 1968-69. Canada was again the most important market. Elsewhere, 141,000 tons were donated under government programs for relief.

(Continued)

COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1969-70

| Destination                                 | Corn and Products      |                              |                       |                                |                        |                |                            |           | Total |
|---|------------------------|------------------------------|-----------------------|--------------------------------|------------------------|----------------|----------------------------|-----------|-------|
|   | Corn<br>except<br>seed | Corn seed<br>except<br>sweet | Corn<br>for<br>relief | Corn meal<br>not for<br>relief | Hominy<br>and<br>grits | Corn<br>starch | Corn meal<br>for<br>relief |           |       |
| Metric Tons                                 |                        |                              |                       |                                |                        |                |                            |           |       |
| North and Central America<br>and Caribbean: |                        |                              |                       |                                |                        |                |                            |           |       |
| Canada                                      | 1/ 666,688             | 4,827                        | --                    | 45,637                         | 24,293                 | 11,702         | 74                         | 753,221   |       |
| Mexico                                      | 369,797                | 4,180                        | 12                    | 20                             | 973                    | 563            | --                         | 375,545   |       |
| British Honduras                            | 12                     | 1                            | --                    | 60                             | --                     | --             | --                         | 73        |       |
| Costa Rica                                  | 69                     | 3                            | --                    | 200                            | --                     | 1,081          | 1,073                      | 2,426     |       |
| El Salvador                                 | 87                     | --                           | --                    | 496                            | --                     | 326            | 1,182                      | 2,091     |       |
| Guatemala                                   | 60                     | 29                           | 518                   | --                             | 10                     | 175            | 2,076                      | 2,868     |       |
| Honduras                                    | 188                    | --                           | --                    | --                             | --                     | 573            | 340                        | 1,101     |       |
| Nicaragua                                   | 66                     | 39                           | 277                   | --                             | --                     | 86             | --                         | 468       |       |
| Panama                                      | 2,014                  | 30                           | --                    | 195                            | --                     | 2,915          | --                         | 5,154     |       |
| Bahamas                                     | 2,899                  | 4                            | --                    | 190                            | 2,145                  | 31             | --                         | 5,269     |       |
| Barbados                                    | 103                    | --                           | --                    | 19                             | --                     | --             | --                         | 122       |       |
| Bermuda                                     | 94                     | 2                            | --                    | --                             | --                     | 48             | --                         | 144       |       |
| Dominican Republic                          | 4,224                  | --                           | --                    | 3,769                          | 2,241                  | 399            | 8,059                      | 18,692    |       |
| French West Indies                          | 188                    | --                           | --                    | 84                             | --                     | --             | --                         | 272       |       |
| Haiti                                       | 116                    | --                           | --                    | --                             | --                     | 113            | 2,295                      | 2,524     |       |
| Jamaica                                     | 58,177                 | 75                           | --                    | 1,898                          | 8                      | 3,698          | 933                        | 64,789    |       |
| Leeward and Windward Islands                | 693                    | 1                            | 11                    | 119                            | --                     | 1              | 248                        | 1,073     |       |
| Netherlands Antilles                        | 708                    | --                           | --                    | 5,037                          | --                     | 8              | --                         | 5,753     |       |
| Trinidad and Tobago                         | 1/ 49,658              | --                           | --                    | 277                            | --                     | 85             | --                         | 50,020    |       |
| Total                                       | 1,155,841              | 9,191                        | 818                   | 58,001                         | 29,670                 | 21,804         | 16,280                     | 1,291,605 |       |
| South America:                              |                        |                              |                       |                                |                        |                |                            |           |       |
| Argentina                                   | --                     | 462                          | --                    | --                             | --                     | 24             | --                         | 486       |       |
| Bolivia                                     | 101                    | --                           | --                    | 344                            | --                     | 27             | 425                        | 897       |       |
| Brazil                                      | 2,580                  | 23                           | 500                   | 2,598                          | --                     | --             | 8,073                      | 13,774    |       |
| Chile                                       | 164,717                | 32                           | --                    | 18                             | --                     | 250            | 627                        | 165,644   |       |
| Colombia                                    | 3,375                  | 3                            | --                    | 1,627                          | --                     | 7              | 4,839                      | 9,851     |       |
| Ecuador                                     | 53                     | --                           | --                    | 482                            | --                     | 1,296          | 1,126                      | 2,957     |       |
| Guyana                                      | 1,891                  | --                           | --                    | --                             | --                     | --             | --                         | 1,891     |       |
| Peru  | 1,415                  | 116                          | --                    | 1,937                          | --                     | 164            | 1,802                      | 5,434     |       |
| Surinam                                     | 9,541                  | --                           | --                    | 222                            | --                     | 584            | --                         | 10,347    |       |
| Uruguay                                     | --                     | 2                            | --                    | --                             | --                     | --             | 321                        | 323       |       |
| Venezuela                                   | 42,001                 | 35                           | --                    | 25                             | --                     | 255            | --                         | 42,316    |       |
| Total                                       | 225,674                | 673                          | 500                   | 7,253                          | --                     | 2,607          | 17,213                     | 253,920   |       |
| Western Europe:                             |                        |                              |                       |                                |                        |                |                            |           |       |
| EC:   |                        |                              |                       |                                |                        |                |                            |           |       |
| Belgium and Luxembourg                      | 1/ 690,796             | 3                            | --                    | --                             | 6,786                  | 34             | --                         | 697,619   |       |
| France                                      | 1/ 59,583              | 594                          | --                    | 78                             | --                     | 2,593          | --                         | 62,848    |       |
| Germany, West                               | 1/ 1,102,450           | 6,663                        | --                    | 6                              | 3,882                  | 686            | --                         | 1,113,687 |       |
| Italy                                       | 1,236,080              | 2,375                        | 77                    | --                             | --                     | 274            | --                         | 1,238,806 |       |
| Netherlands                                 | 1/ 2,216,786           | 124                          | --                    | 90                             | 307                    | 556            | --                         | 2,217,863 |       |
| Total                                       | 5,305,695              | 9,759                        | 77                    | 174                            | 10,975                 | 4,143          | --                         | 5,330,823 |       |
| Other Western Europe:                       |                        |                              |                       |                                |                        |                |                            |           |       |
| Austria                                     | 309                    | 6                            | --                    | --                             | --                     | --             | --                         | 315       |       |
| Cyprus                                      | 6,071                  | 11                           | --                    | --                             | --                     | --             | --                         | 6,082     |       |
| Denmark                                     | 792                    | --                           | --                    | 144                            | --                     | 7              | --                         | 943       |       |
| Finland                                     | 2,493                  | --                           | 9                     | 58                             | --                     | 894            | --                         | 3,454     |       |
| Greece                                      | 373,230                | --                           | --                    | 40                             | --                     | 34             | --                         | 373,304   |       |
| Iceland                                     | 5,308                  | --                           | 72                    | 4                              | --                     | --             | --                         | 5,384     |       |
| Ireland                                     | 1/ 58,616              | --                           | --                    | --                             | --                     | 415            | --                         | 59,031    |       |
| Malta                                       | 1,195                  | --                           | --                    | --                             | --                     | 1              | --                         | 1,196     |       |
| Norway                                      | 1/ 37,445              | 5                            | 74                    | 80                             | --                     | 1,477          | --                         | 39,081    |       |
| Portugal                                    | 1/ 157,055             | 31                           | --                    | --                             | --                     | --             | --                         | 157,086   |       |
| Spain                                       | 1/ 814,821             | 690                          | 254                   | 60                             | --                     | 8              | --                         | 815,833   |       |
| Sweden                                      | 8,287                  | 80                           | --                    | 2,121                          | 1,170                  | 236            | --                         | 11,894    |       |
| Switzerland                                 | 56,977                 | 6                            | --                    | --                             | --                     | 168            | --                         | 57,151    |       |
| United Kingdom                              | 1/ 1,835,374           | 3                            | 3,121                 | 784                            | 4,342                  | 4,140          | --                         | 1,847,764 |       |
| Total                                       | 3,357,973              | 832                          | 3,530                 | 3,291                          | 5,512                  | 7,380          | --                         | 3,378,518 |       |
| Eastern Europe:                             |                        |                              |                       |                                |                        |                |                            |           |       |
| Germany, East                               | 403,630                | --                           | --                    | --                             | --                     | --             | --                         | 403,630   |       |
| Hungary                                     | --                     | 70                           | --                    | --                             | --                     | --             | --                         | 70        |       |
| Poland                                      | 1/ 143,297             | --                           | --                    | --                             | --                     | --             | 2,402                      | 145,699   |       |
| Romania                                     | --                     | --                           | --                    | --                             | --                     | --             | --                         | --        |       |
| Yugoslavia                                  | --                     | 52                           | --                    | --                             | --                     | --             | --                         | 52        |       |
| Total                                       | 546,927                | 122                          | --                    | --                             | --                     | --             | 2,402                      | 549,451   |       |
| Total Europe                                | 9,210,595              | 10,713                       | 3,607                 | 3,465                          | 16,487                 | 11,523         | 2,402                      | 9,258,792 |       |
| Asia:                                       |                        |                              |                       |                                |                        |                |                            |           |       |
| Arabian Peninsula States                    | 97                     | 4                            | --                    | --                             | --                     | --             | --                         | 101       |       |
| Bahrein                                     | 99                     | --                           | --                    | --                             | --                     | --             | --                         | 99        |       |
| Cambodia                                    | --                     | --                           | --                    | --                             | --                     | --             | --                         | --        |       |
| Ceylon                                      | --                     | --                           | --                    | --                             | --                     | 21             | --                         | 21        |       |
| Hong Kong                                   | 347                    | 7                            | 14                    | --                             | --                     | 18             | --                         | 386       |       |



COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1969-70

| Oats and Products |                   |        | Barley and Products |         |         | Grain    | Total all                        | Destination                                 |
|-------------------|-------------------|--------|---------------------|---------|---------|----------|----------------------------------|---|
| Oats              | Oatmeal<br>Edible | Total  | Barley              | Malt    | Total   | sorghums | coarse grains<br>and<br>products |   |
| Metric Tons       |                   |        |                     |         |         |          |                                  |   |
|                   |                   |        |                     |         |         |          |                                  | North and Central America<br>and Caribbean: |
| 190               | 214               | 404    | 1/                  | 1,116   | 1,116   | 25,815   | 780,556                          | Canada                                      |
| 12,147            | 2,263             | 14,410 | 3,254               | 2,791   | 6,045   | 27,155   | 423,155                          | Mexico                                      |
| --                | 59                | 59     | --                  | --      | --      | --       | 132                              | British Honduras                            |
| 1                 | --                | 1      | --                  | 642     | 642     | --       | 3,069                            | Costa Rica                                  |
| --                | 1,382             | 1,382  | --                  | --      | --      | 3        | 3,476                            | El Salvador                                 |
| --                | 1,936             | 1,936  | --                  | 55      | 55      | 130      | 4,989                            | Guatemala                                   |
| --                | 409               | 409    | --                  | 2,741   | 2,741   | 27       | 4,278                            | Honduras                                    |
| 4                 | 4,285             | 4,289  | --                  | 109     | 109     | 149      | 5,015                            | Nicaragua                                   |
| 276               | 317               | 593    | --                  | 232     | 232     | 10       | 5,989                            | Panama                                      |
| 33                | 58                | 91     | --                  | --      | --      | --       | 5,360                            | Bahamas                                     |
| --                | --                | --     | --                  | 171     | 171     | --       | 293                              | Barbados                                    |
| --                | 3                 | 3      | --                  | --      | --      | --       | 147                              | Bermuda                                     |
| 239               | 3,035             | 3,274  | 65                  | 3,613   | 3,678   | 94       | 25,738                           | Dominican Republic                          |
| --                | 1                 | 1      | --                  | --      | --      | --       | 273                              | French West Indies                          |
| --                | --                | --     | --                  | 32      | 32      | 9        | 2,565                            | Haiti                                       |
| 214               | 356               | 570    | 205                 | 359     | 564     | 11,365   | 77,288                           | Jamaica                                     |
| 5                 | 69                | 74     | --                  | 60      | 60      | --       | 1,207                            | Leeward and Windward Islands                |
| 11                | 8                 | 19     | --                  | 8       | 8       | 33       | 5,813                            | Netherlands Antilles                        |
| --                | 8                 | 8      | --                  | --      | --      | --       | 50,028                           | Trinidad and Tobago                         |
| 13,120            | 14,403            | 27,523 | 3,524               | 11,929  | 15,453  | 64,790   | 1,399,371                        | Total                                       |
|                   |                   |        |                     |         |         |          |                                  | South America:                              |
| --                | --                | --     | --                  | --      | --      | 1,032    | 1,518                            | Argentina                                   |
| --                | 1,281             | 1,281  | --                  | 22      | 22      | --       | 2,200                            | Bolivia                                     |
| 128               | 4,972             | 5,100  | --                  | 141     | 141     | 2,338    | 21,353                           | Brazil                                      |
| --                | 599               | 599    | --                  | --      | --      | 75       | 166,318                          | Chile                                       |
| 84                | 1,556             | 1,640  | 1/                  | 14,304  | --      | 14,458   | 40,253                           | Colombia                                    |
| 3,800             | 3,159             | 6,959  | --                  | 12      | 12      | 413      | 10,341                           | Ecuador                                     |
| --                | --                | --     | --                  | 956     | 956     | --       | 2,847                            | Guyana                                      |
| --                | 1,077             | 1,077  | --                  | --      | --      | 312      | 6,823                            | Peru  |
| --                | 105               | 105    | --                  | --      | --      | 60       | 10,512                           | Surinam                                     |
| --                | 118               | 118    | --                  | 78      | 78      | 44       | 563                              | Uruguay                                     |
| 833               | 4,945             | 5,778  | --                  | 21,039  | 21,039  | 47,406   | 116,539                          | Venezuela                                   |
| 4,845             | 17,812            | 22,657 | 14,304              | 22,248  | 36,552  | 66,138   | 379,267                          | Total                                       |
|                   |                   |        |                     |         |         |          |                                  | Western Europe:                             |
|                   |                   |        |                     |         |         |          |                                  | EC:   |
| 965               | --                | 965    | 1/                  | 6,357   | 38      | 6,395    | 120,102                          | Belgium and Luxembourg                      |
| --                | 25                | 25     | --                  | --      | --      | 374      | 63,247                           | France                                      |
| --                | 12                | 12     | 1/                  | 15,175  | --      | 281      | 1,129,155                        | Germany, West                               |
| --                | 20                | 20     | --                  | --      | --      | 410      | 1,239,236                        | Italy                                       |
| --                | --                | --     | 1/                  | 30,727  | 234     | 30,961   | 32,409                           | Netherlands                                 |
| 965               | 57                | 1,022  | 52,259              | 272     | 52,531  | 153,576  | 5,537,952                        | Total                                       |
|                   |                   |        |                     |         |         |          |                                  | Other Western Europe:                       |
| --                | --                | --     | --                  | --      | --      | --       | 315                              | Austria                                     |
| --                | --                | --     | --                  | --      | --      | --       | 6,082                            | Cyprus                                      |
| --                | --                | --     | --                  | 3       | 3       | --       | 946                              | Denmark                                     |
| --                | --                | --     | --                  | --      | --      | --       | 3,454                            | Finland                                     |
| --                | --                | --     | --                  | --      | --      | 1        | 373,305                          | Greece                                      |
| --                | --                | --     | --                  | --      | --      | --       | 5,384                            | Iceland                                     |
| 10                | 1                 | 11     | --                  | --      | --      | 5,131    | 64,173                           | Ireland                                     |
| --                | --                | --     | --                  | --      | --      | 2,600    | 3,796                            | Malta                                       |
| --                | --                | --     | 1/                  | 19,202  | --      | --       | 58,283                           | Norway                                      |
| --                | --                | --     | 1/                  | 14,522  | --      | 88       | 171,696                          | Portugal                                    |
| --                | --                | --     | --                  | --      | --      | 338      | 816,171                          | Spain                                       |
| --                | --                | --     | --                  | --      | --      | --       | 11,894                           | Sweden                                      |
| 1,219             | --                | 1,219  | --                  | --      | --      | 6,970    | 65,340                           | Switzerland                                 |
| --                | 5                 | 5      | 1/                  | 5,226   | --      | --       | 1,852,995                        | United Kingdom                              |
| 1,229             | 6                 | 1,235  | 38,950              | 3       | 38,953  | 15,128   | 3,433,834                        | Total                                       |
|                   |                   |        |                     |         |         |          |                                  | Eastern Europe:                             |
| --                | --                | --     | --                  | --      | --      | --       | 403,630                          | Germany, East                               |
| --                | --                | --     | --                  | --      | --      | --       | 70                               | Hungary                                     |
| --                | --                | --     | --                  | --      | --      | --       | 145,699                          | Poland                                      |
| --                | --                | --     | 1/                  | 129,564 | --      | --       | 129,564                          | Romania                                     |
| --                | --                | --     | 1/                  | 21,446  | --      | --       | 21,498                           | Yugoslavia                                  |
| --                | --                | --     | --                  | --      | --      | --       | 700,461                          | Total                                       |
| 2,194             | 63                | 2,257  | 242,219             | 275     | 242,494 | 168,704  | 9,672,247                        | Total Europe                                |
|                   |                   |        |                     |         |         |          |                                  | Asia:                                       |
| --                | --                | --     | --                  | --      | --      | --       | 101                              | Arabian Peninsula States                    |
| --                | 4                 | 4      | --                  | --      | --      | --       | 103                              | Bahrein                                     |
| --                | --                | --     | --                  | --      | --      | 6        | 6                                | Cambodia                                    |
| --                | --                | --     | --                  | --      | --      | --       | 21                               | Ceylon                                      |
| --                | 609               | 609    | --                  | --      | --      | --       | 995                              | Hong Kong                                   |



COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1969-70

| Destination                              | Corn and Products      |                              |                       |                                |                        |                |                            |            | Total |
|--|------------------------|------------------------------|-----------------------|--------------------------------|------------------------|----------------|----------------------------|------------|-------|
|  | Corn<br>except<br>seed | Corn seed<br>except<br>sweet | Corn<br>for<br>relief | Corn meal<br>not for<br>relief | Hominy<br>and<br>grits | Corn<br>starch | Corn meal<br>for<br>relief |            |       |
|  | Metric Tons            |                              |                       |                                |                        |                |                            |            |       |
| Asia (Continued):                        |                        |                              |                       |                                |                        |                |                            |            |       |
| India .....                              | 39,035                 | --                           | --                    | --                             | --                     | 3              | 8,486                      | 47,524     |       |
| Indonesia .....                          | 63                     | --                           | --                    | --                             | 53                     | --             | --                         | 116        |       |
| Iran .....                               | 149                    | 5                            | --                    | 82                             | --                     | 12             | --                         | 248        |       |
| Iraq .....                               | --                     | 30                           | 17                    | --                             | --                     | --             | --                         | 47         |       |
| Israel .....                             | 138,564                | 37                           | --                    | 40                             | --                     | 227            | 300                        | 139,168    |       |
| Japan .....                              | 4,491,966              | 453                          | --                    | 168                            | --                     | 24             | --                         | 4,492,611  |       |
| Jordan .....                             | 9,681                  | --                           | 770                   | --                             | --                     | --             | --                         | 10,451     |       |
| Korea, Republic of .....                 | 233,496                | --                           | 274                   | 2,809                          | --                     | 1,579          | 8,942                      | 247,100    |       |
| Kuwait .....                             | 409                    | --                           | --                    | --                             | --                     | --             | --                         | 409        |       |
| Laos .....                               | --                     | --                           | --                    | 1,130                          | --                     | --             | 803                        | 1,933      |       |
| Lebanon .....                            | 12,430                 | --                           | --                    | --                             | --                     | 10             | --                         | 12,440     |       |
| Macao .....                              | --                     | --                           | --                    | --                             | --                     | --             | --                         | --         |       |
| Malaysia .....                           | 71                     | --                           | --                    | --                             | --                     | 4              | --                         | 75         |       |
| Nansei and Nanpo Islands .....           | 199                    | 15                           | --                    | --                             | --                     | 101            | --                         | 315        |       |
| Pakistan .....                           | 2,450                  | --                           | --                    | --                             | --                     | --             | --                         | 2,450      |       |
| Philippines .....                        | 62                     | --                           | 1,006                 | 36                             | --                     | 582            | 399                        | 2,085      |       |
| Republic of China (Taiwan) .....         | 14,525                 | 16                           | 23                    | --                             | --                     | 37             | --                         | 14,601     |       |
| Saudi Arabia .....                       | 1,460                  | --                           | --                    | 51                             | --                     | 7              | --                         | 1,518      |       |
| Singapore .....                          | 5,381                  | 3                            | --                    | 40                             | 28                     | 16             | --                         | 5,468      |       |
| Southern Yemen .....                     | 86                     | --                           | --                    | --                             | --                     | --             | --                         | 86         |       |
| Syrian Arab Republic .....               | --                     | --                           | --                    | --                             | --                     | --             | --                         | --         |       |
| Thailand .....                           | 323                    | --                           | --                    | 6                              | --                     | 15             | --                         | 344        |       |
| Turkey .....                             | 5                      | --                           | --                    | --                             | --                     | --             | --                         | 5          |       |
| South Vietnam .....                      | 102,149                | --                           | 999                   | 11,883                         | --                     | 11             | --                         | 115,042    |       |
| Total .....                              | 5,053,047              | 570                          | 3,103                 | 16,245                         | 81                     | 2,667          | 18,930                     | 5,094,643  |       |
| Africa:                                  |                        |                              |                       |                                |                        |                |                            |            |       |
| Algeria .....                            | 39                     | --                           | --                    | --                             | --                     | --             | 72                         | 111        |       |
| Angola .....                             | 19                     | --                           | --                    | --                             | --                     | --             | --                         | 19         |       |
| Burundi and Rwanda .....                 | --                     | --                           | --                    | --                             | --                     | 5              | 500                        | 505        |       |
| Cameroon .....                           | --                     | --                           | --                    | --                             | --                     | --             | --                         | --         |       |
| Canary Islands .....                     | 79,770                 | --                           | --                    | --                             | --                     | 46             | --                         | 79,816     |       |
| Central Africa, n.e.c. ....              | 67                     | --                           | --                    | --                             | --                     | --             | --                         | 67         |       |
| Congo (Kinshasa) .....                   | 212                    | --                           | --                    | 168                            | --                     | 53             | --                         | 433        |       |
| Ethiopia .....                           | 1,100                  | --                           | --                    | 19                             | --                     | --             | --                         | 1,119      |       |
| Gambia .....                             | --                     | --                           | --                    | --                             | --                     | --             | --                         | --         |       |
| Ghana .....                              | 4,701                  | --                           | 799                   | --                             | --                     | 22             | --                         | 5,522      |       |
| Ivory Coast .....                        | 107                    | --                           | --                    | --                             | --                     | 15             | --                         | 122        |       |
| Kenya .....                              | 155                    | 11                           | --                    | --                             | --                     | 129            | --                         | 295        |       |
| Liberia .....                            | 201                    | 11                           | --                    | 551                            | --                     | 18             | 270                        | 1,051      |       |
| Libya .....                              | 1,516                  | --                           | --                    | 11                             | --                     | --             | --                         | 1,527      |       |
| Malagasy .....                           | --                     | --                           | 342                   | --                             | --                     | --             | --                         | 342        |       |
| Malawi .....                             | --                     | --                           | --                    | --                             | --                     | --             | --                         | --         |       |
| Mauritania .....                         | 150                    | --                           | --                    | --                             | --                     | --             | --                         | 150        |       |
| Morocco .....                            | 57                     | --                           | 1,492                 | --                             | --                     | --             | 51,842                     | 53,391     |       |
| Mozambique .....                         | 24                     | --                           | --                    | 11                             | 2                      | --             | --                         | 37         |       |
| Nigeria .....                            | 1,493                  | 1                            | --                    | 9,839                          | --                     | 50             | --                         | 11,383     |       |
| Senegal .....                            | 531                    | --                           | --                    | --                             | --                     | --             | 11,978                     | 12,509     |       |
| Sierra Leone .....                       | 108                    | --                           | --                    | --                             | --                     | --             | 641                        | 749        |       |
| Somali Republic .....                    | 332                    | --                           | --                    | --                             | --                     | --             | --                         | 332        |       |
| South Africa, Republic of .....          | 47                     | 76                           | --                    | 3,519                          | --                     | 54             | 650                        | 4,346      |       |
| Southern Africa, n.e.c. ....             | 637                    | --                           | 460                   | 6,797                          | --                     | --             | 13,565                     | 21,459     |       |
| Spanish Africa, n.e.c. ....              | --                     | --                           | --                    | 466                            | --                     | --             | --                         | 466        |       |
| Sudan .....                              | --                     | --                           | --                    | --                             | --                     | 10             | --                         | 10         |       |
| Tanzania .....                           | 13,240                 | --                           | --                    | --                             | --                     | --             | 2,548                      | 15,788     |       |
| Togo .....                               | 629                    | --                           | --                    | 161                            | --                     | --             | 106                        | 896        |       |
| Tunisia .....                            | 11,275                 | --                           | --                    | --                             | --                     | --             | 16                         | 11,291     |       |
| Uganda .....                             | 197                    | --                           | --                    | --                             | --                     | --             | --                         | 197        |       |
| United Arab Republic .....               | 52,345                 | --                           | --                    | --                             | --                     | 18             | --                         | 52,363     |       |
| Western Africa, n.e.c. ....              | 15,742                 | --                           | 2,050                 | 907                            | --                     | --             | 4,293                      | 22,992     |       |
| Zambia .....                             | 13,206                 | --                           | --                    | --                             | --                     | --             | --                         | 13,206     |       |
| Total .....                              | 197,900                | 99                           | 5,143                 | 22,449                         | 2                      | 420            | 86,481                     | 312,494    |       |
| Oceania:                                 |                        |                              |                       |                                |                        |                |                            |            |       |
| Australia .....                          | --                     | --                           | --                    | --                             | 26                     | 681            | 40                         | 747        |       |
| British West Pacific Islands .....       | --                     | --                           | --                    | --                             | --                     | --             | 76                         | 76         |       |
| French Pacific Islands .....             | 38                     | --                           | --                    | --                             | --                     | 30             | --                         | 68         |       |
| New Zealand .....                        | 98                     | 16                           | --                    | 22                             | --                     | 44             | --                         | 180        |       |
| Trust Territory of Pacific Islands ..... | --                     | --                           | --                    | --                             | 6                      | 5              | --                         | 11         |       |
| Total .....                              | 136                    | 16                           | --                    | 22                             | 32                     | 760            | 116                        | 1,082      |       |
| World total .....                        | 15,843,193             | 21,262                       | 13,171                | 107,435                        | 46,272                 | 39,781         | 141,422                    | 16,212,536 |       |
| Equivalent 1,000 bushels .....           | 623,713                | 837                          | 519                   | 4,229                          | 1,822                  | 1,566          | 5,567                      | 638,253    |       |

1/ Adjusted to cover transshipments through Canadian ports which are included in data for countries of ultimate destination.

COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1969-70

| Oats and Products |                   |        | Barley and Products |        |         | Grain     | Total all                         | Destination                          |
|-------------------|-------------------|--------|---------------------|--------|---------|-----------|-----------------------------------|--------------------------------------|
| Oats              | Oatmeal<br>Edible | Total  | Barley              | Malt   | Total   | sorghums  | coarse grains:<br>and<br>products |                                      |
| Metric Tons       |                   |        |                     |        |         |           |                                   |                                      |
|                   |                   |        |                     |        |         |           |                                   | :Asia (Continued):                   |
| --                | --                | --     | --                  | --     | --      | 168,657   | 216,181                           | : India                              |
| --                | --                | --     | --                  | --     | --      | --        | 116                               | : Indonesia                          |
| --                | 6                 | 6      | --                  | 1      | 1       | --        | 255                               | : Iran                               |
| --                | --                | --     | --                  | --     | --      | --        | 47                                | : Iraq                               |
| --                | --                | --     | --                  | --     | --      | 567,879   | 707,047                           | : Israel                             |
| 1,504             | --                | 1,504  | 6,047               | 356    | 6,403   | 1,955,398 | 6,455,916                         | : Japan                              |
| --                | 5                 | 5      | --                  | --     | --      | --        | 10,456                            | : Jordan                             |
| --                | --                | --     | 17,540              | --     | 17,540  | --        | 264,640                           | : Korea, Republic of                 |
| --                | --                | --     | --                  | --     | --      | --        | 409                               | : Kuwait                             |
| --                | --                | --     | --                  | --     | --      | --        | 1,933                             | : Laos                               |
| --                | 4                 | 4      | 13,302              | 960    | 14,262  | --        | 26,706                            | : Lebanon                            |
| --                | 42                | 42     | --                  | --     | --      | --        | 42                                | : Macao                              |
| --                | 1,075             | 1,075  | --                  | --     | --      | --        | 1,150                             | : Malaysia                           |
| --                | --                | --     | 508                 | --     | 508     | --        | 823                               | : Nansei and Nanpo Islands           |
| --                | --                | --     | --                  | --     | --      | 797       | 3,247                             | : Pakistan                           |
| --                | 951               | 951    | --                  | 57     | 57      | 1,000     | 4,093                             | : Philippines                        |
| --                | --                | --     | --                  | --     | --      | --        | 14,601                            | : Republic of China (Taiwan)         |
| --                | --                | --     | --                  | --     | --      | --        | 1,518                             | : Saudi Arabia                       |
| --                | 61                | 61     | --                  | --     | --      | --        | 5,529                             | : Singapore                          |
| --                | --                | --     | --                  | --     | --      | --        | 86                                | : Southern Yemen                     |
| --                | --                | --     | --                  | --     | --      | 21        | 21                                | : Syrian Arab Republic               |
| --                | --                | --     | --                  | --     | --      | --        | 344                               | : Thailand                           |
| --                | --                | --     | --                  | --     | --      | --        | 5                                 | : Turkey                             |
| --                | 14,541            | 14,541 | --                  | --     | --      | --        | 129,583                           | : South Vietnam                      |
| 1,504             | 17,298            | 18,802 | 37,397              | 1,374  | 38,771  | 2,693,758 | 7,845,974                         | : Total                              |
|                   |                   |        |                     |        |         |           |                                   | :Africa:                             |
| --                | 129               | 129    | --                  | --     | --      | --        | 240                               | : Algeria                            |
| --                | --                | --     | --                  | --     | --      | --        | 19                                | : Angola                             |
| --                | 1,318             | 1,318  | --                  | --     | --      | --        | 1,823                             | : Burundi and Rwanda                 |
| --                | 71                | 71     | --                  | --     | --      | --        | 71                                | : Cameroon                           |
| --                | --                | --     | --                  | --     | --      | --        | 79,816                            | : Canary Islands                     |
| --                | --                | --     | --                  | --     | --      | 141       | 208                               | : Central Africa, n.e.c.             |
| --                | --                | --     | --                  | --     | --      | 118       | 551                               | : Congo (Kinshasa)                   |
| --                | 56                | 56     | --                  | --     | --      | 1,475     | 2,650                             | : Ethiopia                           |
| --                | --                | --     | --                  | --     | --      | 3,240     | 3,240                             | : Gambia                             |
| --                | --                | --     | --                  | --     | --      | --        | 5,522                             | : Ghana                              |
| --                | --                | --     | --                  | --     | --      | --        | 122                               | : Ivory Coast                        |
| 38                | --                | 38     | --                  | --     | --      | 258       | 591                               | : Kenya                              |
| --                | 6                 | 6      | --                  | --     | --      | --        | 1,057                             | : Liberia                            |
| --                | --                | --     | --                  | --     | --      | 14        | 1,541                             | : Libya                              |
| --                | 1,513             | 1,513  | --                  | --     | --      | --        | 1,855                             | : Malagasy                           |
| --                | 67                | 67     | --                  | --     | --      | --        | 67                                | : Malawi                             |
| --                | 5                 | 5      | --                  | --     | --      | 100       | 255                               | : Mauritania                         |
| --                | 16                | 16     | --                  | --     | --      | 91        | 53,498                            | : Morocco                            |
| --                | 72                | 72     | --                  | --     | --      | --        | 109                               | : Mozambique                         |
| --                | 1,718             | 1,718  | --                  | 18     | 18      | --        | 13,119                            | : Nigeria                            |
| --                | 29                | 29     | --                  | --     | --      | 20,959    | 33,497                            | : Senegal                            |
| --                | --                | --     | --                  | 78     | 78      | --        | 827                               | : Sierra Leone                       |
| --                | --                | --     | --                  | --     | --      | 735       | 1,067                             | : Somali Republic                    |
| --                | --                | --     | --                  | --     | --      | 413       | 4,759                             | : South Africa, Republic of          |
| --                | --                | --     | --                  | --     | --      | --        | 21,459                            | : Southern Africa, n.e.c.            |
| --                | --                | --     | --                  | --     | --      | --        | 466                               | : Spanish Africa, n.e.c.             |
| --                | --                | --     | --                  | --     | --      | --        | 10                                | : Sudan                              |
| --                | --                | --     | --                  | --     | --      | 190       | 15,978                            | : Tanzania                           |
| --                | --                | --     | --                  | --     | --      | 654       | 1,550                             | : Togo                               |
| --                | --                | --     | --                  | --     | --      | --        | 11,291                            | : Tunisia                            |
| --                | --                | --     | --                  | --     | --      | 227       | 424                               | : Uganda                             |
| --                | --                | --     | --                  | --     | --      | --        | 52,363                            | : United Arab Republic               |
| --                | --                | --     | --                  | --     | --      | 2,340     | 25,332                            | : Western Africa, n.e.c.             |
| --                | --                | --     | --                  | --     | --      | --        | 13,206                            | : Zambia                             |
| 38                | 5,000             | 5,038  | --                  | 96     | 96      | 30,955    | 348,583                           | : Total                              |
|                   |                   |        |                     |        |         |           |                                   | :Oceania:                            |
| --                | --                | --     | --                  | --     | --      | --        | 747                               | : Australia                          |
| --                | --                | --     | --                  | --     | --      | --        | 76                                | : British West Pacific Islands       |
| --                | 2                 | 2      | --                  | --     | --      | --        | 70                                | : French Pacific Islands             |
| --                | --                | --     | --                  | --     | --      | --        | 180                               | : New Zealand                        |
| --                | --                | --     | --                  | --     | --      | --        | 11                                | : Trust Territory of Pacific Islands |
| --                | 2                 | 2      | --                  | --     | --      | --        | 1,084                             | : Total                              |
| 21,701            | 54,578            | 76,279 | 297,444             | 35,922 | 333,366 | 3,024,345 | 19,646,526                        | :World total                         |
| 1,495             | 3,760             | 5,255  | 13,661              | 1,650  | 15,311  | 119,062   |                                   | :Equivalent 1,000 bushels            |

Hominy and grits exports totaled 46,000 tons compared to 41,000 in 1968-69. Canada, the UK, Belgium-Luxembourg and West Germany accounted for 85 percent of these exports.

Cornstarch exports totaled 39,800 tons compared to 56,000 in 1968-69. This decline was due to a sharp reduction in UK and Canadian imports of this product.

Oatmeal exports totaled 54,600 compared to 26,000 last year. This increase was due to larger shipments to South America, South Vietnam, and Africa.

Barley malt exports were 35,900 tons compared to 49,000 in 1968-69. The most important market for this product is Venezuela which imported 21,000 tons this year and 25,800 last year.





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## WORLD CORN PRODUCTION

### DOWN 3 PERCENT IN 1970

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CURRENT SERIAL RECORDS

World production of corn in 1970 totaled 251 million metric tons, 3 percent below the 1969 record, according to Foreign Agricultural Service estimates. World corn area at 106 million hectares was 3 percent higher for the year.

Canada harvested a record 2.6 million tons of corn in 1970, well over the poor 1969 crop. The United States produced 104.4 million tons, which was 10 percent below 1969 and 14 percent below the 1967 record. Area harvested was 5 percent over 1969 but 5 percent below that of 1967. The U.S. yield was off sharply, a result of heavy infection of southern corn leaf blight, drought in the western Corn Belt, and heavy second-brood infestation of the European corn borer throughout the Corn Belt. Mexico recovered from a 1969 drought to harvest an estimated record 8.7 million-ton crop.

Corn production in South America totaled 27.2 million tons, up 2 percent. Argentina harvested 9.9 million tons, 6 percent over 1969 and the largest crop in the last 30 years. Diversion from wheat area, because of early season drought, partly accounted for the big outturn. Brazil's crop is estimated just below last year's record, despite increased area, as prolonged drought reduced yields.

West European corn production gained 16 percent in 1970. The EC crop, at 12.7 million tons, was 19 percent higher. France harvested a record 7.4 million tons, up 30 percent. Italy and Spain also had record crops.

The East European corn harvest, at 20.3 million tons, was 12 percent below 1969 as yields in Hungary, Romania, and Yugoslavia were affected by adverse early-season weather. The Soviet Union produced an estimated 7.5 million tons of corn in 1970, down 26 percent because of poor weather and reduced area.



CORN: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1964-68, ANNUAL 1969 AND 1970 1/

| CONTINENT AND COUNTRY          | AREA 2/     |             |             | YIELD       |       |         | PRODUCTION  |             |             |
|--------------------------------|-------------|-------------|-------------|-------------|-------|---------|-------------|-------------|-------------|
|                                | AVE.1964-68 | 1969        | 1970 3/     | AVE.1964-68 | 1969  | 1970 3/ | AVE.1964-68 | 1969        | 1970 3/     |
|                                | 1,000<br>HA | 1,000<br>HA | 1,000<br>HA | QU/HA       | QU/HA | QU/HA   | 1,000<br>MT | 1,000<br>MT | 1,000<br>MT |
| <b>NORTH AMERICA:</b>          |             |             |             |             |       |         |             |             |             |
| CANADA.....                    | 323         | 396         | 482         | 51.8        | 47.1  | 52.9    | 1,698       | 1,865       | 2,549       |
| COSTA RICA.....                | 63          | 73          | 64          | 10.9        | 10.1  | 10.2    | 69          | 74          | 65          |
| EL SALVADOR.....               | 192         | 194         | 200         | 11.7        | 14.4  | 16.5    | 224         | 279         | 330         |
| GUATEMALA.....                 | 739         | 836         | 844         | 9.4         | 8.8   | 9.0     | 695         | 736         | 760         |
| HONDURAS.....                  | 418         | 412         | ---         | 8.5         | 9.2   | ---     | 357         | 380         | ---         |
| MEXICO.....                    | 7,477       | 7,250       | 7,700       | 10.9        | 9.0   | 11.3    | 8,160       | 6,500       | 8,700       |
| NICARAGUA.....                 | 208         | 209         | 230         | 8.9         | 8.7   | 8.3     | 185         | 182         | 190         |
| PANAMA.....                    | 105         | 100         | 100         | 7.9         | 7.8   | 7.0     | 83          | 78          | 70          |
| UNITED STATES.....             | 22,992      | 22,095      | 23,213      | 46.0        | 52.7  | 45.0    | 105,868     | 116,401     | 104,393     |
| TOTAL 4/.....                  | 32,681      | 31,723      | 33,400      | 35.9        | 39.9  | 11.4    | 117,460     | 126,620     | 117,562     |
| <b>SOUTH AMERICA:</b>          |             |             |             |             |       |         |             |             |             |
| ARGENTINA.....                 | 3,348       | 4,017       | 4,210       | 20.1        | 23.3  | 23.5    | 6,720       | 9,360       | 9,900       |
| BRAZIL.....                    | 9,087       | 10,503      | 11,259      | 13.2        | 13.5  | 12.4    | 11,986      | 14,161      | 14,000      |
| CHILE.....                     | 78          | 74          | 86          | 33.4        | 32.4  | 34.9    | 261         | 240         | 300         |
| COLOMBIA.....                  | 811         | 855         | 760         | 10.9        | 11.0  | 10.5    | 884         | 940         | 800         |
| ECUADOR.....                   | 210         | 215         | 220         | 8.3         | 9.8   | 10.0    | 174         | 210         | 220         |
| PARAGUAY.....                  | 174         | 170         | 150         | 12.4        | 11.8  | 12.0    | 215         | 200         | 130         |
| PERU.....                      | 355         | 370         | 380         | 16.4        | 16.2  | 16.4    | 584         | 600         | 675         |
| URUGUAY.....                   | 194         | 183         | 200         | 5.8         | 7.6   | 9.0     | 112         | 139         | 180         |
| VENEZUELA.....                 | 537         | 639         | 650         | 11.3        | 10.5  | 11.2    | 605         | 670         | 725         |
| TOTAL 4/.....                  | 15,006      | 17,236      | 18,116      | 14.5        | 15.5  | 15.0    | 21,770      | 26,740      | 27,160      |
| <b>EUROPE:</b>                 |             |             |             |             |       |         |             |             |             |
| FRANCE.....                    | 952         | 1,184       | 1,463       | 40.6        | 48.3  | 50.7    | 3,869       | 5,723       | 7,420       |
| GERMANY, WEST.....             | 35          | 81          | 99          | 43.9        | 49.4  | 51.2    | 154         | 400         | 507         |
| ITALY.....                     | 1,014       | 1,000       | 1,026       | 36.0        | 45.1  | 46.1    | 3,655       | 4,506       | 4,729       |
| TOTAL EC.....                  | 2,001       | 2,265       | 2,588       | 38.4        | 46.9  | 48.9    | 7,678       | 10,629      | 12,655      |
| AUSTRIA.....                   | 58          | 117         | 124         | 47.9        | 59.7  | 49.4    | 278         | 698         | 612         |
| GREECE.....                    | 143         | 147         | 159         | 23.0        | 29.3  | 33.3    | 329         | 430         | 530         |
| PORTUGAL.....                  | 465         | 429         | 407         | 11.8        | 12.9  | 14.3    | 549         | 552         | 580         |
| SPAIN.....                     | 496         | 525         | 575         | 24.7        | 32.5  | 32.5    | 1,227       | 1,706       | 1,868       |
| TOTAL WESTERN EUROPE.....      | 3,163       | 3,483       | 3,853       | 31.8        | 40.2  | 42.2    | 10,061      | 14,015      | 16,246      |
| BULGARIA.....                  | 582         | 578         | 700         | 31.8        | 41.0  | 34.3    | 1,848       | 2,371       | 2,400       |
| CZECHOSLOVAKIA.....            | 157         | 127         | 128         | 28.1        | 30.0  | 40.6    | 442         | 495         | 520         |
| HUNGARY.....                   | 1,229       | 1,255       | 1,150       | 29.7        | 37.9  | 35.4    | 3,653       | 4,754       | 4,072       |
| ROMANIA.....                   | 3,296       | 3,293       | 3,028       | 21.0        | 23.3  | 21.1    | 6,911       | 7,676       | 5,395       |
| YUGOSLAVIA.....                | 2,490       | 2,397       | 2,355       | 28.0        | 32.6  | 29.5    | 6,974       | 7,821       | 6,940       |
| TOTAL EASTERN EUROPE.....      | 7,755       | 7,650       | 7,351       | 25.6        | 30.2  | 27.6    | 19,828      | 23,117      | 20,327      |
| TOTAL EUROPE.....              | 10,918      | 11,133      | 11,214      | 27.4        | 33.4  | 32.6    | 29,889      | 37,132      | 36,573      |
| U.S.S.R. (Europe and Asia) ... | 3,791       | 4,167       | 3,400       | 20.6        | 24.2  | 22.1    | 7,793       | 10,100      | 7,500       |
| <b>AFRICA:</b>                 |             |             |             |             |       |         |             |             |             |
| KENYA.....                     | 1,173       | 1,250       | 1,250       | 12.2        | 11.5  | 12.0    | 1,433       | 1,433       | 1,500       |
| MOZAMBIQUE.....                | 448         | 465         | 493         | 5.5         | 7.2   | 5.6     | 247         | 333         | 276         |
| SOUTH AFRICA, REP OF.....      | 5,377       | 5,050       | 5,311       | 11.1        | 12.1  | 16.5    | 5,962       | 6,135       | 8,750       |
| TOTAL 4/.....                  | 14,875      | 14,839      | 15,168      | 12.0        | 12.4  | 14.0    | 17,777      | 18,405      | 21,240      |
| <b>ASIA:</b>                   |             |             |             |             |       |         |             |             |             |
| CHINA, MAINLAND.....           | 10,000      | 10,000      | 10,000      | 24.0        | 24.5  | 25.0    | 24,000      | 24,500      | 25,000      |
| CHINA, REP OF (TAIWAN).....    | 21          | 19          | 23          | 23.9        | 23.7  | 24.8    | 50          | 45          | 57          |
| INDIA.....                     | 5,151       | 5,862       | 6,000       | 10.2        | 9.7   | 10.8    | 5,256       | 5,674       | 6,500       |
| INDONESIA.....                 | 3,158       | 2,384       | 3,022       | 9.5         | 9.5   | 8.1     | 3,009       | 2,271       | 2,433       |
| JAPAN.....                     | 25          | 14          | 12          | 25.7        | 28.6  | 27.5    | 67          | 40          | 33          |
| PAKISTAN.....                  | 565         | 650         | 665         | 10.9        | 10.1  | 10.1    | 618         | 659         | 573         |
| PHILIPPINES.....               | 2,138       | 2,420       | 2,437       | 7.0         | 8.3   | 8.2     | 1,507       | 2,008       | 2,000       |
| THAILAND.....                  | 623         | 720         | 800         | 18.8        | 23.6  | 25.0    | 1,171       | 1,700       | 2,000       |
| TURKEY.....                    | 663         | 659         | 650         | 14.2        | 15.2  | 15.4    | 940         | 1,000       | 1,000       |
| TOTAL 4/.....                  | 22,982      | 23,356      | 24,235      | 16.3        | 16.7  | 16.8    | 37,559      | 39,015      | 40,811      |
| <b>OCEANIA:</b>                |             |             |             |             |       |         |             |             |             |
| AUSTRALIA.....                 | 78          | 82          | 79          | 20.6        | 22.7  | 29.2    | 161         | 186         | 231         |
| NEW ZEALAND.....               | 5           | 8           | 12          | 57.6        | 71.3  | 63.3    | 29          | 57          | 76          |
| TOTAL.....                     | 83          | 90          | 91          | 22.9        | 27.0  | 33.7    | 190         | 243         | 307         |
| WORLD TOTAL 4/.....            | 100,336     | 102,544     | 105,624     | 23.2        | 25.1  | 23.8    | 232,437     | 258,255     | 251,153     |

1/ Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1970 is combined with estimates for the Southern Hemisphere harvest which begins late in 1970 and ends early in 1971. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Estimated totals include allowances for producing countries not shown.

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The African crop harvest totaled 21.2 million tons, up 15 percent. The South African crop at 8.8 million tons was sharply above the indifferent outturn a year earlier.

Asia's corn crop is estimated at 40.8 million tons, up 5 percent. Increases in production were general throughout the region. Australia had a record harvest with sharply improved yield.

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## PAKISTAN - GRAIN PRODUCTION, TRADE AND SUPPLY DISTRIBUTION, FY 1961-FY 1971

Total grain production in Pakistan from FY 1961 to FY 1971 increased about 7 million tons (from 15.7 million to 22.7 million). This level of production, however, was not enough to feed the growing population and fairly large quantities of grain--mostly wheat--were imported. Imports averaged 1.5 million tons annually, with the United States supplying almost three-fourths of the total--mainly under P.L. 480.

### Area/Yield/Production

The area devoted to grains increased slowly during the 1961-71 period. The rise totaled 3.2 million hectares or an average increase of about 300,000 hectares per year. Rice, wheat, and corn acreages were up, while sorghum, millet, and barley acreages declined.

Wheat yields increased about 40 percent during the 11-year period. A combination of factors--including better seed varieties and increased irrigation, mechanization, and use of fertilizer--contributed to the improved yields. Yields of other grains did not show as much improvement as wheat.

Total grain production in Pakistan increased from 15.7 million tons in FY 1961 to 22.7 million in FY 1971. Rice is still the major grain produced, but on a percentage basis, wheat production is increasing at a faster rate. While the absolute gain of the two grains was about equal (wheat 3.4 million tons and rice 3.3 million), wheat now accounts

(Continued)

| Commodity and year             | Beginning         | Acreage           | Yield | Production | Imports      |       | Exports | Domestic    | Total                   |
|--------------------------------|-------------------|-------------------|-------|------------|--------------|-------|---------|-------------|-------------------------|
|                                | stocks<br>July 1/ |                   |       |            | From<br>U.S. | Total |         | consumption | supply/<br>distribution |
|                                | 1,000<br>m. t.    | 1,000<br>hectares | Q/ha. | m. t.      | m. t.        | m. t. | m. t.   | m. t.       | m. t.                   |
| <b>Total Grains: 3/</b>        |                   |                   |       |            |              |       |         |             |                         |
| 1960-61                        | 3,253             | 16,701            | 9.4   | 15,674     | 1,273        | 1,691 | 70      | 17,442      | 20,618                  |
| 1961-62                        | 3,106             | 16,728            | 9.6   | 16,061     | 797          | 1,024 | 103     | 17,112      | 20,191                  |
| 1962-63                        | 2,976             | 17,003            | 9.1   | 15,482     | 1,424        | 1,847 | 165     | 16,298      | 20,305                  |
| 1963-64                        | 3,842             | 17,311            | 10.0  | 17,286     | 1,477        | 1,654 | 118     | 19,006      | 22,782                  |
| 1964-65                        | 3,658             | 18,142            | 9.9   | 17,872     | 1,614        | 1,773 | 167     | 20,483      | 23,303                  |
| 1965-66                        | 2,653             | 18,149            | 9.7   | 17,685     | 1,091        | 1,320 | 147     | 19,069      | 21,658                  |
| 1966-67                        | 2,442             | 18,026            | 9.0   | 16,160     | 815          | 2,011 | 182     | 19,188      | 20,613                  |
| 1967-68                        | 1,243             | 19,714            | 9.5   | 18,663     | 1,843        | 2,303 | 124     | 20,377      | 22,209                  |
| 1968-69                        | 1,708             | 19,601            | 10.8  | 21,096     | 567          | 756   | 140     | 21,501      | 23,560                  |
| 1969-70                        | 1,919             | 20,189            | 11.1  | 22,365     | 782          | 1,217 | 90      | 22,945      | 25,501                  |
| 1970-71                        | 2,466             | 19,916            | 11.4  | 22,706     | 654          | 1,332 | 152     | 24,095      | 26,504                  |
| <b>Rice (Milled Basis): 3/</b> |                   |                   |       |            |              |       |         |             |                         |
| 1960-61                        | 2,210             | 10,040            | 10.6  | 10,701     | 67           | 334   | 70      | 10,593      | 13,245                  |
| 1961-62                        | 2,582             | 9,702             | 11.1  | 10,744     | 9            | 175   | 103     | 11,438      | 13,501                  |
| 1962-63                        | 1,960             | 9,884             | 10.1  | 9,964      | --           | 236   | 165     | 9,455       | 12,160                  |
| 1963-64                        | 2,540             | 10,294            | 11.5  | 11,815     | --           | 142   | 118     | 11,837      | 14,497                  |
| 1964-65                        | 2,542             | 10,585            | 11.2  | 11,853     | --           | 62    | 167     | 12,055      | 14,457                  |
| 1965-66                        | 2,235             | 10,754            | 11.0  | 11,817     | --           | 48    | 147     | 11,921      | 14,100                  |
| 1966-67                        | 2,032             | 10,480            | 10.4  | 10,939     | --           | 191   | 182     | 11,964      | 13,162                  |
| 1967-68                        | 1,016             | 11,309            | 11.2  | 12,669     | --           | 148   | 124     | 12,359      | 13,833                  |
| 1968-69                        | 1,350             | 11,297            | 11.8  | 13,376     | --           | --    | 140     | 13,279      | 14,726                  |
| 1969-70                        | 1,307             | 11,883            | 12.1  | 14,388     | --           | 131   | 90      | 13,907      | 15,826                  |
| 1970-71                        | 1,829             | 11,558            | 12.1  | 14,021     | --           | 232   | 152     | 14,427      | 16,082                  |
| <b>Wheat and Flour: 3/</b>     |                   |                   |       |            |              |       |         |             |                         |
| 1960-61                        | 1,043             | 4,696             | 8.2   | 3,849      | 1,206        | 1,357 | --      | 5,725       | 6,249                   |
| 1961-62                        | 524               | 4,982             | 8.2   | 4,066      | 788          | 849   | --      | 4,423       | 5,439                   |
| 1962-63                        | 1,016             | 5,096             | 8.3   | 4,215      | 1,424        | 1,611 | --      | 5,540       | 6,842                   |
| 1963-64                        | 1,302             | 5,076             | 8.3   | 4,196      | 1,477        | 1,512 | --      | 5,894       | 7,010                   |
| 1964-65                        | 1,116             | 5,371             | 8.6   | 4,625      | 1,614        | 1,711 | --      | 7,034       | 7,452                   |
| 1965-66                        | 418               | 5,210             | 8.7   | 4,552      | 1,091        | 1,272 | --      | 5,832       | 6,242                   |
| 1966-67                        | 410               | 5,417             | 7.2   | 3,889      | 815          | 1,820 | --      | 5,892       | 6,119                   |
| 1967-68                        | 227               | 6,111             | 7.2   | 4,393      | 1,843        | 2,155 | --      | 6,417       | 6,775                   |
| 1968-69                        | 358               | 6,277             | 10.2  | 6,375      | 567          | 756   | --      | 6,877       | 7,489                   |
| 1969-70                        | 612               | 6,349             | 10.4  | 6,605      | 782          | 1,086 | --      | 7,666       | 8,303                   |
| 1970-71                        | 637               | 6,354             | 11.5  | 7,282      | 654          | 1,100 | --      | 8,265       | 9,019                   |
| <b>Total Coarse Grains: 4/</b> |                   |                   |       |            |              |       |         |             |                         |
| 1960-61                        | --                | 1,965             | 5.7   | 1,124      | --           | --    | --      | 1,124       | 1,124                   |
| 1961-62                        | --                | 2,044             | 6.1   | 1,251      | --           | --    | --      | 1,251       | 1,251                   |
| 1962-63                        | --                | 2,023             | 6.4   | 1,303      | --           | --    | --      | 1,303       | 1,303                   |
| 1963-64                        | --                | 1,941             | 6.6   | 1,275      | --           | --    | --      | 1,275       | 1,275                   |
| 1964-65                        | --                | 2,186             | 6.4   | 1,394      | --           | --    | --      | 1,394       | 1,394                   |
| 1965-66                        | --                | 2,285             | 6.0   | 1,316      | --           | --    | --      | 1,316       | 1,316                   |
| 1966-67                        | --                | 2,129             | 6.3   | 1,332      | --           | --    | --      | 1,332       | 1,332                   |
| 1967-68                        | --                | 2,294             | 7.0   | 1,601      | --           | --    | --      | 1,601       | 1,601                   |
| 1968-69                        | --                | 2,027             | 6.6   | 1,345      | --           | --    | --      | 1,345       | 1,345                   |
| 1969-70                        | --                | 1,957             | 7.0   | 1,372      | --           | --    | --      | 1,372       | 1,372                   |
| 1970-71                        | --                | 2,004             | 7.0   | 1,403      | --           | --    | --      | 1,403       | 1,403                   |
| <b>Corn: 4/</b>                |                   |                   |       |            |              |       |         |             |                         |
| 1960-61                        | --                | 488               | 9.1   | 446        | --           | --    | --      | 446         | 446                     |
| 1961-62                        | --                | 482               | 10.3  | 495        | --           | --    | --      | 495         | 495                     |
| 1962-63                        | --                | 465               | 10.6  | 494        | --           | --    | --      | 494         | 494                     |
| 1963-64                        | --                | 505               | 10.5  | 530        | --           | --    | --      | 530         | 530                     |
| 1964-65                        | --                | 490               | 10.8  | 531        | --           | --    | --      | 531         | 531                     |
| 1965-66                        | --                | 545               | 9.9   | 542        | --           | --    | --      | 542         | 542                     |
| 1966-67                        | --                | 557               | 10.6  | 590        | --           | --    | --      | 590         | 590                     |
| 1967-68                        | --                | 611               | 13.0  | 794        | --           | --    | --      | 794         | 794                     |
| 1968-69                        | --                | 619               | 10.2  | 629        | --           | --    | --      | 629         | 629                     |
| 1969-70                        | --                | 651               | 10.3  | 669        | --           | --    | --      | 669         | 669                     |
| 1970-71                        | --                | 664               | 10.3  | 684        | --           | --    | --      | 684         | 684                     |
| <b>Sorghum and Millet: 4/</b>  |                   |                   |       |            |              |       |         |             |                         |
| 1960-61                        | --                | 1,222             | 4.2   | 527        | --           | --    | --      | 527         | 527                     |
| 1961-62                        | --                | 1,345             | 4.5   | 619        | --           | --    | --      | 619         | 619                     |
| 1962-63                        | --                | 1,338             | 5.0   | 675        | --           | --    | --      | 675         | 675                     |
| 1963-64                        | --                | 1,209             | 4.9   | 600        | --           | --    | --      | 600         | 600                     |
| 1964-65                        | --                | 1,496             | 4.9   | 739        | --           | --    | --      | 739         | 739                     |
| 1965-66                        | --                | 1,434             | 4.4   | 644        | --           | --    | --      | 644         | 644                     |
| 1966-67                        | --                | 1,396             | 4.6   | 647        | --           | --    | --      | 647         | 647                     |
| 1967-68                        | --                | 1,499             | 4.6   | 703        | --           | --    | --      | 703         | 703                     |
| 1968-69                        | --                | 1,210             | 4.8   | 592        | --           | --    | --      | 592         | 592                     |
| 1969-70                        | --                | 1,122             | 5.1   | 585        | --           | --    | --      | 585         | 585                     |
| 1970-71                        | --                | 1,149             | 5.1   | 591        | --           | --    | --      | 591         | 591                     |
| <b>Barley: 4/</b>              |                   |                   |       |            |              |       |         |             |                         |
| 1960-61                        | --                | 255               | 5.9   | 151        | --           | --    | --      | 151         | 151                     |
| 1961-62                        | --                | 217               | 6.3   | 137        | --           | --    | --      | 137         | 137                     |
| 1962-63                        | --                | 220               | 6.1   | 134        | --           | --    | --      | 134         | 134                     |
| 1963-64                        | --                | 227               | 6.4   | 145        | --           | --    | --      | 145         | 145                     |
| 1964-65                        | --                | 200               | 6.2   | 124        | --           | --    | --      | 124         | 124                     |
| 1965-66                        | --                | 206               | 6.3   | 130        | --           | --    | --      | 130         | 130                     |
| 1966-67                        | --                | 176               | 5.4   | 95         | --           | --    | --      | 95          | 95                      |
| 1967-68                        | --                | 184               | 5.6   | 104        | --           | --    | --      | 104         | 104                     |
| 1968-69                        | --                | 198               | 6.3   | 124        | --           | --    | --      | 124         | 124                     |
| 1969-70                        | --                | 184               | 6.4   | 118        | --           | --    | --      | 118         | 118                     |
| 1970-71                        | --                | 191               | 6.7   | 128        | --           | --    | --      | 128         | 128                     |

1/ Prepared or estimated on the basis of official and/or unofficial statistics of the Pakistan Government, reports from the U.S. Agricultural Attache Office, results of office research, and other related information. 2/ Where stock data was not available, it was assumed that all of the grain produced in a given year was consumed in that year. 3/ Beginning stocks for fiscal years 1960/61 thru 1967/68 are on a May 1 basis, while stocks for fiscal years 1968/69 thru 1970/71 are on a July 1 basis. 4/ Reliable stock data not available, so it was assumed that all of the grain produced in a given year was consumed in that year.



[illegible][illegible]

|              |    |     |     |     |     |     |     |     |     |    |    |    |
|--------------|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| Aden         | 3  | 4   | 12  | 3   | 4   | 2   | 4   | 2   | 3   | 4  | 2/ | 5  |
| Iraq         | 4  | 45  | 11  | 8   | 3   | --  | 4   | --  | --  | 2/ | 19 | 13 |
| Kuwait       | -- | 1   | 9   | 8   | 15  | 28  | 15  | 28  | 34  | 19 | 12 | 1  |
| Saudi Arabia | 16 | 10  | 33  | 14  | 7   | 11  | 7   | 11  | 13  | 12 | 25 | 2  |
| Bahrain      | 16 | 17  | 8   | 5   | 9   | 17  | 9   | 17  | 5   | 10 | 25 | 20 |
| USSR         | -- | --  | --  | --  | --  | 39  | --  | 39  | 25  | -- | -- | -- |
| Malaysia     | 9  | 2/  | 6   | 18  | 2/  | 2/  | --  | 2/  | --  | 2/ | -- | -- |
| India        | -- | --  | --  | --  | 76  | --  | --  | --  | --  | 2/ | -- | -- |
| Ceylon       | -- | --  | 20  | --  | 22  | --  | --  | --  | 13  | 2/ | 30 | 11 |
| Other        | 22 | 26  | 66  | 62  | 31  | 50  | 30  | 44  | 47  | 30 | 30 | 30 |
| Total        | 70 | 103 | 165 | 118 | 167 | 147 | 182 | 124 | 140 | 90 | 82 | 82 |

|   | 1941 | 1942 | 1943 | 1944 |
|---|------|------|------|------|
| Total .....   | 107  | 116  | 107  | 102  |
| 1/ Wheat imports cover entire fiscal year, while Rice Imports cover only July-March and Rice Exports cover only July-January. 2/ Less than 500 metric tons. |      |      |      |      |



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for about one-third of total production compared to one-fourth at the beginning of the period. Rice production, however, has declined from 68 to 62 percent of the total, and coarse grains have declined from 7 to 6 percent.

### Trade

Total grain imports averaged 1.5 million tons annually during the 11-year period. While some rice was imported, wheat accounted for most of the imports. Most of the imports, especially wheat, were under concessional terms with an average of about three-fourths being supplied by the United States mainly under P.L. 480. Australia and Canada were the only other consistent suppliers. The majority of the rice imports came from Burma, while the exports (mainly superior qualities such as Basmati) went to many destinations.

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## U.S. GRAIN EXPORTS UP

### 9 PERCENT IN FY 1971

Total U.S. exports of grains and products (grain equivalent) last year reached 42 million tons, up 3.4 million from fiscal 1970 (July 1969-June 1970). Wheat and products made up most of the increase while feedgrains showed a 0.6 percent increase. Rice exports dropped 11 percent or 193,000 tons to 1.6 million.

Wheat exports, 677 million bushels, were 136 million above fiscal 1970. The major increases (million bushels) were to the U.K. (32), Republic of Korea (23), Romania (18), Japan (18), West Germany (17), Yugoslavia (14) and Morocco (13). Smaller increases (totaling 24 million bushels) to Portugal, Iran, Republic of China, and Algeria helped offset decreased exports (million bushels) to India (32), Pakistan (12), Turkey (6) and Argentina (4.8).

Total exports of wheat flour fell 13 million bushels to 52 million (grain equivalent). Major losses were to Bolivia and Ceylon with lesser losses to South Vietnam, and the Republic of Korea. All of these countries are basically P.L. 480 markets.

Feedgrain exports at 19.8 million tons (including products) were generally unchanged with a nominal 127 thousand ton increase. Corn exports dropped 17 percent to 13 million tons because of reduced U.S. supplies. Other feedgrain exports, oats, barley and sorghum, reached 6.3 million tons, up 85 percent from the 3.4 million a year ago. Barley and sorghum accounted for 1.5 million and 1.2 million, respectively, of the increase.

(Continued)



## WHEAT AND FLOUR 1/: U.S. exports by country of destination, July-June 1969-70 and July-June 1970-71

| Destination                       | July-June 1969-70 |          |         |             | July-June 1970-71 |          |         |             | + or -      |
|-----------------------------------|-------------------|----------|---------|-------------|-------------------|----------|---------|-------------|-------------|
|                                   | Wheat             | Flour 2/ | Total   |             | Wheat             | Flour 2/ | Total   |             |             |
|                                   | 1,000             | 1,000    | 1,000   | 1,000       | 1,000             | 1,000    | 1,000   | 1,000       | 1,000       |
|                                   | Bushels           | Bushels  | Bushels | Metric Tons | Bushels           | Bushels  | Bushels | Metric Tons | Metric Tons |
| Western Hemisphere:               |                   |          |         |             |                   |          |         |             |             |
| Canada .....                      | 2/                | 24       | 24      | 1           | 2/                | 21       | 21      | 1           | 0           |
| Mexico .....                      | 125               | 10       | 135     | 4           | 132               | 8        | 140     | 4           | 0           |
| Costa Rica .....                  | 1,921             | 62       | 1,983   | 54          | 2,544             | 47       | 2,591   | 70          | 16          |
| El Salvador .....                 | 2,405             | 79       | 2,484   | 67          | 2,884             | 88       | 2,972   | 81          | 14          |
| Guatemala .....                   | 2,618             | 108      | 2,726   | 74          | 3,230             | 138      | 3,368   | 92          | 18          |
| Other Central America .....       | 4,034             | 359      | 4,393   | 120         | 5,354             | 274      | 5,628   | 153         | 33          |
| Dominican Republic .....          | 3,227             | 138      | 3,365   | 91          | 3,938             | 95       | 4,033   | 110         | 19          |
| Haiti .....                       | --                | 41       | 41      | 1           | --                | 45       | 45      | 1           | 0           |
| Jamaica .....                     | 937               | 530      | 1,467   | 40          | 921               | 396      | 1,317   | 36          | 4           |
| Trinidad and Tobago .....         | 2,078             | 5        | 2,083   | 57          | 2,496             | 26       | 2,522   | 69          | 12          |
| Other Bermuda and Caribbean ..... | --                | 574      | 574     | 16          | 851               | 553      | 1,404   | 38          | 22          |
| Argentina .....                   | 4,798             | --       | 4,798   | 131         | 2                 | --       | 2       | 4/          | 131         |
| Bolivia .....                     | 268               | 4,393    | 4,661   | 127         | 589               | 140      | 729     | 20          | 107         |
| Brazil .....                      | 33,288            | 1,185    | 34,473  | 938         | 28,823            | 1,033    | 29,856  | 812         | 126         |
| Chile .....                       | 436               | 321      | 757     | 21          | 5,122             | 429      | 5,551   | 151         | 130         |
| Colombia .....                    | 9,032             | 738      | 9,770   | 266         | 12,133            | 752      | 12,885  | 351         | 85          |
| Ecuador .....                     | 1,960             | 121      | 2,081   | 57          | 2,748             | 142      | 2,890   | 79          | 22          |
| Guyana .....                      | 1,390             | --       | 1,390   | 37          | 728               | 22       | 750     | 20          | 17          |
| Peru .....                        | 5,802             | 308      | 6,110   | 166         | 6,986             | 350      | 7,336   | 200         | 34          |
| Surinam .....                     | 279               | 225      | 504     | 14          | 497               | 169      | 666     | 18          | 4           |
| Uruguay .....                     | --                | 14       | 14      | 4/          | --                | 5        | 5       | 4/          | 0           |
| Venezuela .....                   | 25,145            | 18       | 25,163  | 685         | 20,949            | 22       | 20,971  | 571         | 114         |
| Other South America .....         | 1,116             | 75       | 1,191   | 32          | 1,636             | 70       | 1,706   | 46          | 14          |
| Total .....                       | 100,859           | 9,328    | 110,187 | 2,999       | 102,563           | 4,825    | 107,388 | 2,923       | 76          |
| Western Europe:                   |                   |          |         |             |                   |          |         |             |             |
| EC:                               |                   |          |         |             |                   |          |         |             |             |
| Belgium-Luxembourg .....          | 7,256             | 5        | 7,261   | 198         | 6,532             | 1        | 6,533   | 178         | 20          |
| France .....                      | 5,366             | --       | 5,366   | 146         | 6,080             | --       | 6,080   | 165         | 19          |
| Germany, West .....               | 6,343             | 1        | 6,344   | 173         | 22,999            | 49       | 23,048  | 627         | 454         |
| Italy .....                       | 9,228             | 14       | 9,242   | 252         | 17,097            | 5        | 17,102  | 465         | 213         |
| Netherlands .....                 | 24,234            | 488      | 24,722  | 672         | 21,526            | 430      | 21,956  | 598         | 74          |
| Total .....                       | 52,427            | 508      | 52,935  | 1,441       | 74,234            | 485      | 74,719  | 2,033       | 592         |
| Other Western Europe:             |                   |          |         |             |                   |          |         |             |             |
| Cyprus .....                      | 1,045             | 30       | 1,075   | 29          | 1,583             | 53       | 1,636   | 44          | 15          |
| Iceland .....                     | 8                 | 291      | 299     | 8           | 56                | 187      | 243     | 7           | 1           |
| Norway .....                      | 2,258             | 4        | 2,262   | 62          | 2,380             | 4        | 2,384   | 65          | 3           |
| Portugal .....                    | 4,888             | 116      | 5,004   | 136         | 9,975             | 49       | 10,024  | 273         | 137         |
| Spain .....                       | 4/                | --       | 4/      | 4/          | 6,894             | --       | 6,894   | 188         | 188         |
| Switzerland .....                 | 7,105             | --       | 7,105   | 193         | 7,023             | 1        | 7,024   | 191         | 2           |
| United Kingdom .....              | 12,586            | 15       | 12,601  | 343         | 44,855            | 15       | 44,870  | 1,221       | 878         |
| Others .....                      | 908               | 87       | 995     | 27          | 1,589             | 130      | 1,719   | 47          | 20          |
| Total .....                       | 28,798            | 543      | 29,341  | 798         | 74,355            | 439      | 74,794  | 2,036       | 1,238       |
| Eastern Europe:                   |                   |          |         |             |                   |          |         |             |             |
| Poland .....                      | --                | 372      | 372     | 10          | --                | 34       | 34      | 1           | 9           |
| Romania .....                     | --                | --       | --      | --          | 17,849            | --       | 17,849  | 486         | 486         |
| Yugoslavia .....                  | --                | 2        | 2       | 4/          | 14,056            | 2        | 14,058  | 382         | 382         |
| Others .....                      | --                | --       | --      | --          | 185               | --       | 185     | 5           | 5           |
| Total .....                       | --                | 374      | 374     | 10          | 32,090            | 36       | 32,126  | 874         | 864         |
| Total Europe .....                | 81,225            | 1,425    | 82,650  | 2,249       | 180,679           | 960      | 181,639 | 4,943       | 2,694       |
| Asia:                             |                   |          |         |             |                   |          |         |             |             |
| Cambodia .....                    | --                | --       | --      | --          | --                | 402      | 402     | 11          | 11          |
| Ceylon .....                      | --                | 6,212    | 6,212   | 169         | --                | 2,098    | 2,098   | 57          | 112         |
| Hong Kong .....                   | 1,794             | 161      | 1,955   | 53          | 1,866             | 92       | 1,958   | 53          | 0           |
| India .....                       | 85,042            | 36       | 85,078  | 2,315       | 53,109            | 53       | 53,162  | 1,447       | 868         |
| Indonesia .....                   | 362               | 15,280   | 15,642  | 426         | --                | 15,286   | 15,286  | 416         | 10          |
| Iran .....                        | --                | 4/       | 4/      | 4/          | 8,812             | 4        | 8,816   | 240         | 240         |
| Israel .....                      | 12,247            | 3,366    | 15,613  | 425         | 13,151            | 3,453    | 16,604  | 452         | 27          |
| Japan .....                       | 87,517            | 4        | 87,521  | 2,382       | 105,739           | 3        | 105,742 | 2,878       | 496         |
| Jordan .....                      | 20                | 3,439    | 3,459   | 94          | 751               | 2,938    | 3,689   | 100         | 6           |
| Korea, Republic of .....          | 35,776            | 4,578    | 40,354  | 1,098       | 58,451            | 3,417    | 61,868  | 1,684       | 586         |
| Lebanon .....                     | 2,283             | 667      | 2,950   | 80          | 4,510             | 856      | 5,366   | 146         | 66          |
| Masei and Nanpo Islands .....     | 1,357             | 500      | 1,857   | 51          | 1,430             | 187      | 1,617   | 44          | 7           |
| Pakistan .....                    | 36,283            | 3        | 36,286  | 988         | 24,018            | 2        | 24,020  | 654         | 334         |
| Philippines .....                 | 16,646            | 280      | 16,926  | 461         | 16,623            | 581      | 17,204  | 468         | 7           |
| Saudi Arabia .....                | 22                | 4,146    | 4,168   | 113         | 40                | 4,869    | 4,909   | 134         | 21          |
| Republic of China (Taiwan) .....  | 14,422            | --       | 14,422  | 393         | 21,094            | --       | 21,094  | 574         | 181         |
| Turkey .....                      | 24,446            | 623      | 25,069  | 682         | 18,831            | 589      | 19,420  | 529         | 153         |
| Vietnam, South .....              | 1,828             | 7,602    | 9,430   | 257         | 5,001             | 5,196    | 10,197  | 277         | 20          |
| Others .....                      | 2,873             | 516      | 3,389   | 92          | 6,244             | 532      | 6,776   | 184         | 92          |
| Total .....                       | 322,918           | 47,413   | 370,331 | 10,079      | 339,670           | 40,558   | 380,228 | 10,348      | 269         |
| Africa:                           |                   |          |         |             |                   |          |         |             |             |
| Algeria .....                     | 8,322             | 597      | 8,919   | 243         | 11,637            | 41       | 11,678  | 318         | 75          |
| Congo (Kinshasa) .....            | --                | 817      | 817     | 22          | --                | 972      | 972     | 26          | 4           |
| Ghana .....                       | 910               | --       | 910     | 25          | 1,220             | 9        | 1,229   | 33          | 8           |
| Guinea .....                      | --                | 452      | 452     | 12          | --                | 370      | 370     | 10          | 2           |
| Morocco .....                     | 6,915             | 2,583    | 9,498   | 258         | 19,885            | 2,106    | 21,991  | 599         | 341         |
| Nigeria .....                     | 8,737             | 86       | 8,823   | 240         | 10,235            | 425      | 10,660  | 290         | 50          |
| Southern Africa, n.e.c. .....     | --                | 469      | 469     | 13          | --                | 13       | 13      | 4/          | 13          |
| Sierra Leone .....                | 970               | 15       | 985     | 27          | 991               | 2        | 993     | 27          | 0           |
| Tunisia .....                     | 8,725             | 948      | 9,673   | 263         | 6,762             | 714      | 7,476   | 204         | 59          |
| Others .....                      | 1,134             | 617      | 1,751   | 48          | 2,915             | 674      | 3,589   | 98          | 50          |
| Total .....                       | 35,713            | 6,584    | 42,297  | 1,151       | 53,645            | 5,326    | 58,971  | 1,605       | 454         |
| Oceania .....                     | --                | 87       | 87      | 2           | --                | 71       | 71      | 2           | 0           |
| World Total .....                 | 540,715           | 64,837   | 605,552 | 16,480      | 676,557           | 51,740   | 728,297 | 19,821      | 2,341       |
| Other Products .....              | 11,014            | --       | 11,014  | 300         | 11,689            | --       | 11,689  | 318         | 18          |
| Grand Total .....                 | 551,729           | 64,837   | 616,566 | 16,780      | 688,246           | 51,740   | 739,986 | 20,139      | 3,359       |

1/ Data includes shipments for relief. 2/ Grain equivalent. 3/ Transshipments through Canada have been included in data for countries of ultimate destination.  
4/ Less than 500 metric tons.

Foreign Agricultural Service  
Grain and Feed Division, CAB/SSS  
August 1971

Source: Compiled from reports of the U.S. Department of Com



FEEDGRAINS 1/: U.S. exports to principal countries, July-June 1969-70 and July-June 1970-71

| Destination                  | July-June 1969-70 |       |        |         |        | July-June 1970-71 |        |        |         |        |
|------------------------------|-------------------|-------|--------|---------|--------|-------------------|--------|--------|---------|--------|
|                              | Corn 2/           | Oats  | Barley | Sorghum | Total  | Corn 2/           | Oats   | Barley | Sorghum | Total  |
|                              | 1,000             | 1,000 | 1,000  | 1,000   | 1,000  | 1,000             | 1,000  | 1,000  | 1,000   | 1,000  |
|                              | m. t.             | m. t. | m. t.  | m. t.   | m. t.  | m. t.             | m. t.  | m. t.  | m. t.   | m. t.  |
| Western Hemisphere:          |                   |       |        |         |        |                   |        |        |         |        |
| Canada 2/                    | 667               | --    | --     | 26      | 693    | 272               | --     | --     | 4       | 276    |
| Mexico                       | 374               | 12    | 3      | 27      | 416    | 165               | 6      | 2      | 22      | 195    |
| Panama                       | 2                 | 4/    | --     | 4/      | 2      | 15                | 1      | --     | --      | 16     |
| Other Central America        | 1                 | 4/    | --     | 4/      | 1      | 33                | 4/     | --     | 5       | 38     |
| Bahamas                      | 3                 | 4/    | --     | --      | 3      | 3                 | 4/     | 4/     | --      | 3      |
| Dominican Republic           | 4                 | 4/    | 4/     | 4/      | 4      | 7                 | 4/     | 4/     | 4/      | 7      |
| Jamaica                      | 58                | 4/    | 4/     | 11      | 69     | 85                | 4/     | --     | 12      | 97     |
| Trinidad and Tobago          | 50                | --    | --     | --      | 50     | 63                | --     | --     | 4/      | 63     |
| Other Bermuda and Caribbeian | 2                 | 1     | 1      | 4/      | 4      | 4                 | --     | 4/     | 4/      | 4      |
| Argentina                    | 4/                | --    | --     | 1       | 1      | 4/                | --     | --     | 1       | 1      |
| Brazil                       | 3                 | 4/    | --     | 2       | 5      | 1                 | --     | --     | 4       | 5      |
| Chile                        | 165               | --    | --     | 4/      | 165    | 55                | --     | --     | --      | 55     |
| Colombia                     | 3                 | 4/    | 14     | 14      | 31     | 12                | 4/     | 42     | 2       | 56     |
| Ecuador                      | 4/                | 4     | --     | 4/      | 4      | 4/                | 2      | --     | 4/      | 2      |
| Peru                         | 2                 | --    | --     | 4/      | 2      | 4                 | --     | --     | 5       | 9      |
| Surinam                      | 10                | --    | --     | 4/      | 10     | 8                 | --     | --     | 4/      | 8      |
| Venezuela                    | 42                | 1     | --     | 47      | 90     | 15                | 4/     | --     | 265     | 280    |
| Other South America          | 2                 | --    | --     | 3       | 5      | 1                 | 1      | --     | 1       | 3      |
| Total                        | 1,388             | 18    | 18     | 131     | 1,555  | 743               | 10     | 44     | 321     | 1,118  |
| Western Europe:              |                   |       |        |         |        |                   |        |        |         |        |
| EC:                          |                   |       |        |         |        |                   |        |        |         |        |
| Belgium-Luxembourg           | 691               | 1     | 6      | 120     | 818    | 767               | 48     | 88     | 218     | 1,121  |
| France                       | 60                | --    | --     | 1       | 61     | 47                | --     | 3      | 4/      | 50     |
| Germany, West                | 1,109             | --    | 15     | 4/      | 1,124  | 1,121             | 80     | 155    | 17      | 1,373  |
| Italy                        | 1,239             | --    | --     | 1       | 1,240  | 1,051             | 20     | 264    | 1       | 1,336  |
| Netherlands                  | 2,217             | --    | 31     | 32      | 2,280  | 2,318             | 30     | 89     | 359     | 2,796  |
| Total                        | 5,316             | 1     | 52     | 154     | 5,523  | 5,304             | 178    | 599    | 595     | 6,676  |
| Other Western Europe:        |                   |       |        |         |        |                   |        |        |         |        |
| Austria                      | 4/                | --    | --     | --      | 4/     | 26                | --     | --     | 4/      | 26     |
| Cyprus                       | 6                 | --    | --     | --      | 6      | 10                | --     | 96     | --      | 106    |
| Denmark                      | 1                 | --    | --     | --      | 1      | 1                 | 4/     | 95     | --      | 96     |
| Finland                      | 3                 | --    | --     | --      | 3      | 1                 | --     | --     | --      | 1      |
| Greece                       | 373               | --    | --     | 4/      | 373    | 191               | --     | --     | 4/      | 191    |
| Iceland                      | 5                 | --    | --     | --      | 5      | 6                 | --     | --     | --      | 6      |
| Ireland                      | 59                | 4/    | --     | 5       | 64     | 10                | --     | 45     | --      | 55     |
| Malta                        | 1                 | --    | --     | 3       | 4      | 3                 | --     | --     | 3       | 6      |
| Norway                       | 38                | --    | 19     | --      | 57     | 5                 | --     | 52     | --      | 57     |
| Portugal                     | 157               | --    | 15     | 4/      | 172    | 298               | --     | 70     | 4/      | 368    |
| Spain                        | 816               | --    | --     | 4/      | 816    | 13                | --     | 58     | 23      | 94     |
| Sweden                       | 8                 | --    | --     | --      | 8      | 6                 | --     | --     | --      | 6      |
| Switzerland                  | 57                | 1     | --     | 7       | 65     | 19                | 7      | 28     | --      | 54     |
| United Kingdom               | 1,838             | --    | 5      | --      | 1,843  | 1,418             | --     | 21     | --      | 1,439  |
| Others                       | --                | --    | --     | --      | --     | 0                 | 4/     | --     | 4/      | 4/     |
| Total                        | 3,362             | 1     | 39     | 15      | 3,417  | 2,007             | 7      | 465    | 26      | 2,505  |
| Eastern Europe:              |                   |       |        |         |        |                   |        |        |         |        |
| Czechoslovakia               | --                | --    | --     | --      | --     | 214               | --     | --     | --      | 214    |
| Germany, East                | 404               | --    | --     | --      | 404    | 174               | --     | --     | 21      | 195    |
| Hungary                      | 4/                | --    | --     | --      | 4/     | 4/                | --     | --     | --      | 4/     |
| Poland                       | 143               | --    | --     | --      | 143    | 171               | --     | 51     | 40      | 262    |
| Romania                      | --                | --    | 130    | --      | 130    | 4/                | 59     | 361    | --      | 420    |
| Yugoslavia                   | 4/                | --    | 21     | --      | 21     | 189               | --     | 91     | --      | 280    |
| Total                        | 547               | --    | 151    | --      | 698    | 748               | 59     | 503    | 61      | 1,371  |
| Total Europe                 | 9,225             | 2     | 242    | 169     | 9,638  | 8,059             | 244    | 1,567  | 682     | 10,552 |
| Asia:                        |                   |       |        |         |        |                   |        |        |         |        |
| India                        | 39                | --    | --     | 169     | 208    | 26                | --     | --     | 7       | 33     |
| Iran                         | 4/                | --    | --     | --      | --     | 12                | --     | 21     | --      | 33     |
| Israel                       | 139               | --    | --     | 568     | 707    | 84                | --     | 38     | 564     | 686    |
| Japan                        | 4,492             | 2     | 6      | 1,955   | 6,455  | 3,352             | 1      | --     | 2,555   | 5,908  |
| Jordan                       | 10                | --    | --     | --      | 10     | 10                | --     | --     | --      | 10     |
| Korea, Republic of           | 234               | --    | 18     | --      | 252    | 407               | --     | 9      | --      | 416    |
| Lebanon                      | 12                | --    | 13     | --      | 25     | 30                | --     | 81     | --      | 111    |
| Pakistan                     | 2                 | --    | --     | 1       | 3      | 3                 | --     | --     | 1       | 4      |
| Philippines                  | 1                 | --    | --     | 1       | 2      | 16                | --     | --     | --      | 16     |
| Singapore                    | 5                 | --    | --     | --      | 5      | 4/                | --     | --     | --      | 4/     |
| Syrian Arab Republic         | --                | --    | --     | 4/      | 4/     | --                | --     | 8      | --      | 8      |
| Republic of China (Taiwan)   | 15                | --    | --     | --      | 15     | 42                | --     | 18     | --      | 60     |
| Turkey                       | 4/                | --    | --     | --      | 4/     | 5                 | --     | --     | --      | 5      |
| Vietnam, South               | 103               | --    | --     | --      | 103    | 78                | --     | --     | --      | 78     |
| Others                       | 3                 | --    | --     | --      | 3      | 7                 | 4/     | 10     | --      | 17     |
| Total                        | 5,055             | 2     | 37     | 2,694   | 7,788  | 4,072             | 1      | 185    | 3,127   | 7,385  |
| Africa:                      |                   |       |        |         |        |                   |        |        |         |        |
| Angola                       | 4/                | --    | --     | --      | 4/     | 13                | --     | --     | --      | 13     |
| Canary Islands               | 80                | --    | --     | --      | 80     | 55                | --     | --     | 3       | 58     |
| Gambia                       | --                | --    | --     | 3       | 3      | --                | --     | --     | 2       | 2      |
| Ghana                        | 6                 | --    | --     | --      | 6      | 4                 | --     | --     | --      | 4      |
| Senegal                      | 1                 | --    | --     | 21      | 22     | 2                 | --     | --     | 19      | 21     |
| Tanzania                     | 13                | --    | --     | 4/      | 13     | 2                 | --     | --     | --      | 2      |
| Tunisia                      | 11                | --    | --     | --      | 11     | 11                | --     | --     | --      | 11     |
| United Arab Republic         | 52                | --    | --     | --      | 52     | 37                | --     | --     | --      | 37     |
| Western Africa, n.e.c.       | 18                | --    | --     | 2       | 20     | 1                 | --     | --     | 2       | 3      |
| Zambia                       | 13                | --    | --     | --      | 13     | 49                | --     | --     | --      | 49     |
| Others                       | 10                | 4/    | --     | 4       | 14     | 13                | 4/     | --     | 44      | 57     |
| Total                        | 204               | 4/    | --     | 30      | 234    | 187               | 4/     | --     | 70      | 257    |
| Oceania:                     |                   |       |        |         |        |                   |        |        |         |        |
| World Total                  | 15,872            | 22    | 297    | 3,024   | 19,215 | 13,061            | 255    | 1,796  | 4,200   | 19,312 |
| Total Grain Products 5/      | 335               | 55    | 36     | --      | 426    | 365               | 43     | 48     | --      | 456    |
| Grand Total                  | 16,207            | 77    | 333    | 3,024   | 19,641 | 13,426            | 298    | 1,844  | 4,200   | 19,768 |
| Equivalent 1,000 bushels     | 638,037           | 5,305 | 15,295 | 119,049 |        | 528,555           | 20,531 | 84,694 | 165,346 |        |

1/ Country breakdown includes grain only; grand total includes grain and products. 2/ Includes seed corn except sweet and exports for relief. 3/ Transshipments through Canada have been included in data for countries of ultimate destination. 4/ Less than 500 metric tons. 5/ Destination of exports of products will be published at a later date.

Foreign Agricultural Service  
Grain and Feed Division, CAB/SSS  
August 1971

Source: Compiled from reports of the U.S. Department of Commerce

RICE, MILLED 1/: U.S. exports to specified countries, July-June 1969-70 and July-June 1970-71

| Destination                | July-June<br>1969-70 | July-June<br>1970-71 | + or - | Destination                            | July-June<br>1969-70 | July-June<br>1970-71 | + or - |
|----------------------------|----------------------|----------------------|--------|--|----------------------|----------------------|--------|
| Western Hemisphere         |                      |                      |        | Asia (Continued):                      |                      |                      |        |
| Canada .....               | 56                   | 50                   | -      | 6 : Korea, Republic of .....           | 124                  | 406                  | +      |
| British Honduras .....     | 1                    | 2/                   | -      | 1 : Kuwait .....                       | 3                    | 2                    | -      |
| Bahamas .....              | 5                    | 5                    | 0      | 0 : Lebanon .....                      | 1                    | 2/                   | -      |
| Barbados .....             | 1                    | 2/                   | -      | 1 : Malaysia .....                     | 1                    | --                   | -      |
| Dominican Republic .....   | --                   | 1                    | +      | 1 : Nansai and Nanpo Islands .....     | 21                   | 34                   | +      |
| French West Indies .....   | 1                    | 3                    | +      | 2 : Saudi Arabia .....                 | 72                   | 49                   | -      |
| Jamaica .....              | 20                   | 22                   | +      | 2 : Southern Yemen .....               | 14                   | 2                    | -      |
| Netherlands Antilles ..... | 4                    | 5                    | +      | 1 : Vietnam, South .....               | 560                  | 255                  | -      |
| Trinidad and Tobago .....  | 2                    | 2/                   | -      | 2 : Others .....                       | 2/                   | 2                    | +      |
| Chile .....                | 7                    | 5                    | -      | 2 : Total .....                        | 1,232                | 1,101                | -      |
| Venezuela .....            | 6                    | 4                    | -      | 2 : Africa:                            |                      |                      |        |
| Others .....               | 1                    | 13                   | +      | 12 : Afars and Issas .....             | 1                    | 2                    | +      |
| Total .....                | 104                  | 108                  | +      | Angola .....                           | 3                    | 3                    | 0      |
| Western Europe:            |                      |                      |        | Cameroon .....                         | 2/                   | 2/                   | 0      |
| EC:                        |                      |                      |        | Congo .....                            | 5                    | 2                    | -      |
| Belgium-Luxembourg .....   | 18                   | 18                   | 0      | Ghana .....                            | 12                   | 1                    | -      |
| France .....               | 24                   | 19                   | -      | Guinea .....                           | 5                    | 12                   | +      |
| Germany, West .....        | 61                   | 50                   | -      | Ivory Coast .....                      | 1                    | 1                    | 0      |
| Netherlands .....          | 45                   | 14                   | -      | Liberia .....                          | 48                   | 41                   | -      |
| Total .....                | 148                  | 101                  | -      | 1 : Libya .....                        | 1                    | 1                    | 0      |
| Other Western Europe:      |                      |                      |        | 1 : Malagasy Republic .....            | 1                    | 2/                   | -      |
| Austria .....              | 2/                   | 2/                   | 0      | Mozambique .....                       | 2/                   | 2/                   | 0      |
| Denmark .....              | 1                    | 1                    | 0      | Nigeria .....                          | 2/                   | 2/                   | 0      |
| Finland .....              | 1                    | 1                    | 0      | Senegal .....                          | 5                    | 2/                   | -      |
| Greece .....               | 3                    | 2                    | -      | Somalia Republic .....                 | 9                    | 14                   | +      |
| Iceland .....              | 1                    | 1                    | 0      | South Africa, Republic of .....        | 77                   | 79                   | +      |
| Ireland .....              | 1                    | 2/                   | -      | Uganda .....                           | 2/                   | --                   | 0      |
| Portugal .....             | 1                    | 2/                   | -      | Western Africa, n.e.c. ....            | 3                    | 2/                   | -      |
| Sweden .....               | 3                    | 4                    | +      | Western Portuguese Africa, n.e.c. .... | 1                    | 2/                   | +      |
| Switzerland .....          | 13                   | 13                   | 0      | Zambia .....                           | 2                    | 2/                   | -      |
| United Kingdom .....       | 57                   | 56                   | -      | Others .....                           | 3                    | 3                    | 0      |
| Others .....               | 2/                   | 1                    | +      | Total .....                            | 177                  | 161                  | -      |
| Total .....                | 81                   | 79                   | -      | Oceania:                               |                      |                      |        |
| Total Europe .....         | 229                  | 180                  | -      | 2 : Australia .....                    | 1                    | 2/                   | -      |
| Asia:                      |                      |                      |        | British West Pacific Islands .....     | 7                    | 2                    | -      |
| Arabia .....               | 1                    | --                   | -      | French Pacific Islands .....           | 2                    | 2                    | 0      |
| Bahrain .....              | 2/                   | 2/                   | 0      | 1 : New Zealand .....                  | 1                    | 1                    | 0      |
| Hong Kong .....            | 17                   | 10                   | -      | Trust Territory of Pac. Islands ....   | 4                    | 4                    | 0      |
| India .....                | 51                   | --                   | -      | Others .....                           | 2/                   | 5                    | +      |
| Indonesia .....            | 353                  | 330                  | -      | Total .....                            | 15                   | 14                   | -      |
| Israel .....               | 12                   | 11                   | -      |  |                      |                      |        |
| Japan .....                | 2                    | 2/                   | -      | World Total .....                      | 1,757                | 1,564                | -      |
| Jordan .....               | 2/                   | 2/                   | 0      |  |                      |                      |        |

1/ Includes small quantity of rough rice milled equivalent.

2/ Less than 500 metric tons.

Foreign Agricultural Service  
Grain and Feed Division, CAB/SSS  
August 1971

Source: Compiled from reports of the U.S. Department of Commerce



RYE: U.S. exports by country of destination,  
July-June 1969-70 and July-June 1970-71

| Destination                | July-June<br>1969-70  | July-June<br>1970-71  | + or -                |
|----------------------------|-----------------------|-----------------------|-----------------------|
|                            | 1,000<br><u>m. t.</u> | 1,000<br><u>m. t.</u> | 1,000<br><u>m. t.</u> |
| Canada <sup>1/</sup> ..... | --                    | --                    | --                    |
| Belgium-Luxembourg .....   | 2                     | --                    | - 2                   |
| Netherlands .....          | 11                    | 8                     | - 3                   |
| Portugal .....             | --                    | 6                     | + 6                   |
| Poland .....               | --                    | 17                    | + 17                  |
| Yugoslavia .....           | --                    | 54                    | + 54                  |
| Japan .....                | 2                     | --                    | - 2                   |
| Others .....               | 2/                    | 2/                    | 0                     |
| Total .....                | 15                    | 85                    | + 70                  |

<sup>1/</sup> Transshipments through Canada have been included in data for countries of ultimate destination. <sup>2/</sup> Less than 500 metric tons.

Foreign Agricultural Service  
Grain and Feed Division, CAB/SSS  
August 1971

Source: Compiled from reports of the U.S. Department of Commerce



A drop in corn exports to Japan, the number one U.S. feedgrain market, of 1.1 million tons to 3.4 million, was cushioned by a 0.6 million increase in sorghum exports. Spain, primarily a corn market, took only 96 thousand tons, a drop of 720 thousand from last year. Exports of all feedgrains increased to the EC (1.2 million tons), East Europe (0.7 million) and Portugal (0.2 million). Lesser increases were registered in shipments to Venezuela, Cyprus and the Republic of Korea.

Rice exports of 1.56 million tons were 9 percent (.19 million tons) below the previous year's level of 1.76 million. Sales to commercial markets showed the largest drop.

Rye exports of 85,000 tons were 70,000 above a year ago. Yugoslavia and Poland were new and principle markets, taking 84 percent of the total.



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## WORLD WHEAT AND RYE PRODUCTION

### INDICATED HIGHER IN 1971

#### WHEAT

PROCUREMENT SECTION  
CURRENT SERIAL RECORDS

World production of wheat in 1971 totaled 304 million metric tons, up from 288 million tons, according to Foreign Agricultural Service estimates. This is second of record to the 308 million-ton harvest of 1968. World wheat area gained 3 percent compared with 1970. Larger crops are indicated in all major areas of the world except the Soviet Union.

North American wheat production is estimated at 59.9 million tons, up 23 percent. The Canadian crop at 13.8 million tons was up 53 percent, on a similar increase in area. Harvested area was, however, held a third below the 5-year average under the diversion payment program. The United States produced a record 44.2 million tons of wheat in 1971, 18 percent over 1970, and 3 percent above the 1968 record. Area was up 9 percent and yield was 8 percent above last year's high.

The European wheat crop totaled 76.6 million tons, up from 66.5 million. Weather conditions were generally favorable for fall planting and during the growing season. Western Europe produced 49.0 million tons, 12 percent over 1970 and 9 percent above the 1965-69 average. The EC harvested a 33.1 million-ton crop, up 3.4 million tons and 9 percent above the 5-year average. France produced 14.6 million tons, up 1.6 million. Italy and West Germany had record harvests based on record yields. The Spanish crop recovered from a poor 1970 harvest and the United Kingdom produced a record 4.5 million tons.

WHEAT: AREA, YIELD AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1965-69, ANNUAL 1970 AND 1971 1/

| CONTINENT AND COUNTRY          | AREA 2/     |             |             | YIELD       |       |         | PRODUCTION  |             |             |
|--------------------------------|-------------|-------------|-------------|-------------|-------|---------|-------------|-------------|-------------|
|                                | AVE.1965-69 | 1970        | 1971 3/     | AVE.1965-69 | 1970  | 1971 3/ | AVE.1965-69 | 1970        | 1971 3/     |
|                                | 1,000<br>HA | 1,000<br>HA | 1,000<br>HA | QU/HA       | QU/HA | QU/HA   | 1,000<br>MT | 1,000<br>MT | 1,000<br>MT |
| <b>NORTH AMERICA:</b>          |             |             |             |             |       |         |             |             |             |
| CANADA.....                    | 11,534      | 5,052       | 7,781       | 16.1        | 17.9  | 17.7    | 18,527      | 9,023       | 13,811      |
| GUATEMALA.....                 | 38          | 40          | 40          | 7.6         | 7.5   | 8.3     | 29          | 30          | 33          |
| MEXICO.....                    | 751         | 715         | 650         | 25.4        | 29.4  | 27.7    | 1,911       | 2,100       | 1,800       |
| UNITED STATES.....             | 21,128      | 17,930      | 19,570      | 18.2        | 20.9  | 22.6    | 38,475      | 37,516      | 44,235      |
| TOTAL.....                     | 33,451      | 23,737      | 28,041      | 17.6        | 20.5  | 21.4    | 58,942      | 48,669      | 59,879      |
| <b>SOUTH AMERICA:</b>          |             |             |             |             |       |         |             |             |             |
| ARGENTINA.....                 | 5,331       | 3,332       | ---         | 12.2        | 12.8  | ---     | 6,481       | 4,250       | ---         |
| BRAZIL.....                    | 610         | 1,769       | ---         | 9.2         | 9.8   | ---     | 559         | 1,732       | ---         |
| CHILE.....                     | 737         | 727         | ---         | 16.6        | 18.5  | ---     | 1,222       | 1,344       | ---         |
| COLOMBIA.....                  | 95          | 46          | 42          | 10.9        | 10.9  | 9.5     | 104         | 50          | 40          |
| ECUADOR.....                   | 69          | 75          | 70          | 9.0         | 8.8   | 8.6     | 62          | 66          | 60          |
| PERU.....                      | 150         | 150         | ---         | 9.4         | 10.0  | ---     | 141         | 150         | ---         |
| URUGUAY.....                   | 400         | 337         | ---         | 9.5         | 11.5  | ---     | 379         | 388         | ---         |
| TOTAL 4/.....                  | 7,392       | 6,436       | 7,122       | 12.1        | 12.4  | ---     | 8,947       | 7,980       | ---         |
| <b>EUROPE:</b>                 |             |             |             |             |       |         |             |             |             |
| BELGIUM.....                   | 208         | 183         | 193         | 37.8        | 41.7  | 44.8    | 786         | 763         | 864         |
| FRANCE.....                    | 4,093       | 3,760       | 4,008       | 33.9        | 34.4  | 36.3    | 13,886      | 12,922      | 14,566      |
| GERMANY, WEST.....             | 1,435       | 1,493       | 1,510       | 37.5        | 37.9  | 47.0    | 5,380       | 5,662       | 7,100       |
| ITALY.....                     | 4,213       | 4,138       | 4,163       | 22.7        | 23.3  | 23.7    | 9,580       | 9,631       | 9,852       |
| LUXEMBOURG.....                | 16          | 11          | ---         | 27.6        | 25.5  | ---     | 44          | 28          | ---         |
| NETHERLANDS.....               | 154         | 142         | 142         | 44.4        | 45.3  | 45.8    | 684         | 643         | 650         |
| TOTAL EC 4/.....               | 10,118      | 9,727       | 10,026      | 30.0        | 30.5  | 33.0    | 30,360      | 29,649      | 33,063      |
| AUSTRIA.....                   | 300         | 275         | 275         | 30.7        | 29.5  | 32.5    | 920         | 810         | 893         |
| DENMARK.....                   | 101         | 115         | 115         | 45.0        | 44.5  | 44.4    | 455         | 512         | 511         |
| FINLAND.....                   | 235         | 176         | 173         | 20.2        | 23.2  | ---     | 475         | 409         | 450         |
| GREECE.....                    | 1,023       | 920         | 960         | 17.7        | 21.4  | 20.3    | 1,813       | 1,970       | 1,950       |
| IRELAND.....                   | 75          | 94          | 89          | 35.3        | 34.9  | 37.1    | 265         | 328         | 330         |
| NORWAY.....                    | 4           | 4           | 4           | 27.0        | 30.0  | 32.5    | 11          | 12          | 13          |
| PORTUGAL.....                  | 583         | 602         | 538         | 9.5         | 9.0   | 15.0    | 552         | 540         | 809         |
| SPAIN.....                     | 4,081       | 3,700       | 3,600       | 12.4        | 11.0  | 14.2    | 5,068       | 4,060       | 5,100       |
| SWEDEN.....                    | 246         | 265         | 238         | 38.4        | 36.3  | 43.7    | 944         | 962         | 1,040       |
| SWITZERLAND.....               | 101         | 95          | 94          | 36.0        | 32.7  | 35.6    | 364         | 311         | 335         |
| UNITED KINGDOM.....            | 935         | 1,010       | 1,091       | 39.3        | 41.3  | 41.2    | 3,676       | 4,174       | 4,500       |
| TOTAL WESTERN EUROPE 4/.....   | 17,801      | 16,983      | 17,203      | 25.2        | 25.8  | 28.5    | 44,902      | 43,737      | 48,994      |
| ALBANIA.....                   | 124         | ---         | ---         | 8.6         | ---   | ---     | 107         | ---         | ---         |
| BULGARIA.....                  | 1,089       | 1,009       | 1,000       | 26.5        | 29.6  | 30.0    | 2,887       | 2,982       | 3,000       |
| CZECHOSLOVAKIA.....            | 940         | 1,075       | 1,130       | 28.0        | 27.9  | 30.1    | 2,633       | 3,000       | 3,400       |
| GERMANY EAST.....              | 528         | 598         | 600         | 36.7        | 35.7  | 36.7    | 1,940       | 2,132       | 2,200       |
| HUNGARY.....                   | 1,160       | 1,272       | 1,275       | 24.5        | 21.5  | 27.8    | 2,838       | 2,736       | 3,540       |
| POLAND.....                    | 1,761       | 1,985       | 2,050       | 22.8        | 23.2  | 24.4    | 4,007       | 4,605       | 5,000       |
| ROMANIA.....                   | 2,901       | 2,312       | 2,850       | 17.9        | 14.5  | 17.5    | 5,204       | 3,350       | 5,000       |
| YUGOSLAVIA.....                | 1,884       | 1,831       | 1,934       | 23.5        | 20.7  | 27.4    | 4,424       | 3,790       | 5,300       |
| TOTAL EASTERN EUROPE 4/.....   | 10,386      | 10,217      | 10,974      | 23.1        | 22.2  | 25.1    | 24,039      | 22,720      | 27,565      |
| TOTAL EUROPE 4/.....           | 28,186      | 27,200      | 28,177      | 24.5        | 24.4  | 27.2    | 68,941      | 66,457      | 76,559      |
| U.S.S.R. (EUROPE AND ASIA) ... | 68,169      | 65,500      | 64,500      | 9.8         | 12.2  | 10.9    | 66,900      | 80,000      | 70,000      |
| <b>AFRICA:</b>                 |             |             |             |             |       |         |             |             |             |
| ALGERIA.....                   | 1,976       | ---         | ---         | 6.4         | ---   | ---     | 1,256       | ---         | ---         |
| ETHIOPIA.....                  | 432         | ---         | ---         | 7.5         | ---   | ---     | 323         | ---         | ---         |
| KENYA.....                     | 150         | 128         | 140         | 13.3        | 13.8  | 14.3    | 200         | 177         | 200         |
| MOROCCO.....                   | 1,762       | 1,879       | 1,896       | 8.2         | 10.0  | 11.4    | 1,448       | 1,870       | 2,155       |
| SOUTH AFRICA, REP OF.....      | 1,496       | 1,800       | 2,400       | 6.6         | 7.6   | 5.8     | 985         | 1,373       | 1,380       |
| SUDAN.....                     | 68          | ---         | ---         | 11.6        | ---   | ---     | 79          | ---         | ---         |
| TUNISIA.....                   | 808         | 1,030       | ---         | 4.7         | 4.4   | ---     | 377         | 450         | ---         |
| UAR-EGYPT.....                 | 538         | 548         | ---         | 25.9        | 29.5  | ---     | 1,395       | 1,617       | ---         |
| TOTAL 4/.....                  | 7,230       | 8,245       | 8,813       | 8.4         | 8.9   | 8.8     | 6,062       | 7,377       | 7,769       |
| <b>ASIA:</b>                   |             |             |             |             |       |         |             |             |             |
| AFGHANISTAN.....               | 2,551       | ---         | ---         | 9.6         | ---   | ---     | 2,451       | ---         | ---         |
| CHINA-MAINLAND.....            | 24,500      | 24,700      | ---         | 8.9         | 9.9   | ---     | 21,920      | 24,500      | ---         |
| CYPRUS.....                    | 59          | 40          | 65          | 13.0        | 12.3  | 13.8    | 77          | 49          | 90          |
| INDIA.....                     | 13,982      | 16,626      | 17,892      | 9.9         | 12.1  | 13.0    | 13,860      | 20,093      | 23,247      |
| IRAN.....                      | 4,180       | 4,200       | 4,000       | 8.8         | 9.0   | 7.5     | 3,678       | 3,800       | 3,000       |
| ISRAEL.....                    | 85          | 107         | 110         | 18.5        | 11.8  | 16.4    | 157         | 126         | 180         |
| JAPAN.....                     | 372         | 229         | 165         | 27.3        | 20.7  | 28.5    | 1,016       | 474         | 470         |
| JORDAN.....                    | 248         | 140         | ---         | 8.4         | 5.6   | ---     | 208         | 79          | ---         |
| KOREA, REP OF.....             | 154         | 159         | ---         | 21.2        | 22.5  | ---     | 327         | 357         | ---         |
| LEBANON.....                   | 60          | 61          | 61          | 9.3         | 8.2   | 8.2     | 56          | 50          | 50          |
| NEPAL.....                     | 133         | ---         | ---         | 14.8        | ---   | ---     | 197         | ---         | ---         |
| PAKISTAN.....                  | 5,666       | 6,349       | 6,248       | 9.1         | 11.7  | 10.9    | 5,170       | 7,399       | 6,808       |
| SYRIAN ARAB REP.....           | 933         | 900         | 930         | 6.6         | 5.6   | 6.5     | 620         | 500         | 600         |
| TURKEY.....                    | 7,575       | 8,200       | 8,100       | 10.9        | 9.8   | 12.3    | 8,266       | 8,000       | 10,000      |
| TOTAL 4/.....                  | 62,376      | 66,641      | 67,351      | 9.5         | 10.4  | 10.7    | 59,051      | 69,117      | 71,795      |
| <b>OCEANIA:</b>                |             |             |             |             |       |         |             |             |             |
| AUSTRALIA.....                 | 8,979       | 6,606       | ---         | 11.8        | 12.1  | ---     | 10,590      | 7,987       | ---         |
| NEW ZEALAND.....               | 109         | 96          | ---         | 33.5        | 33.8  | ---     | 365         | 324         | ---         |
| TOTAL 4/.....                  | 9,087       | 6,702       | 7,181       | 12.1        | 12.4  | 13.0    | 10,955      | 8,311       | 9,354       |
| WORLD TOTAL 4/.....            | 215,892     | 204,461     | 211,185     | 13.0        | 14.1  | 14.4    | 279,799     | 287,911     | 304,166     |

1/ Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1971 is combined with estimates for the Southern Hemisphere harvests, which begin late in 1971 and end early in 1972. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Estimated totals include allowances for producing countries not shown.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.



RYE: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1965-69, ANNUAL 1970 AND 1971 1/

| CONTINENT AND COUNTRY          | AREA 2/<br>1970 |             | AVE. 1965-69 |             | YIELD<br>1970 |       | 1971 3/ |       | AVE. 1965-69 |             | 1971 3/     |             |
|--------------------------------|-----------------|-------------|--------------|-------------|---------------|-------|---------|-------|--------------|-------------|-------------|-------------|
|                                | 1,000<br>HA     | 1,000<br>HA | 1,000<br>HA  | 1,000<br>HA | QU/HA         | QU/HA | QU/HA   | QU/HA | 1,000<br>MT  | 1,000<br>MT | 1,000<br>MT | 1,000<br>MT |
| NORTH AMERICA:                 |                 |             |              |             |               |       |         |       |              |             |             |             |
| CANADA.....                    | 305             | 411         | 444          | 12.6        | 13.9          | 14.1  | 14.1    | 14.1  | 383          | 570         | 625         | 625         |
| UNITED STATES.....             | 500             | 601         | 724          | 14.2        | 16.3          | 18.4  | 18.4    | 18.4  | 712          | 979         | 1,329       | 1,329       |
| TOTAL.....                     | 804             | 1,012       | 1,168        | 13.6        | 15.3          | 16.7  | 16.7    | 16.7  | 1,095        | 1,549       | 1,954       | 1,954       |
| SOUTH AMERICA:                 |                 |             |              |             |               |       |         |       |              |             |             |             |
| ARGENTINA.....                 | 490             | 242         | ---          | 6.5         | 5.0           | ---   | ---     | ---   | 321          | 121         | ---         | ---         |
| TOTAL 4/ ..                    | 490             | 242         | ---          | 6.5         | 5.0           | ---   | ---     | ---   | 321          | 121         | ---         | ---         |
| EUROPE:                        |                 |             |              |             |               |       |         |       |              |             |             |             |
| BELGIUM.....                   | 28              | 21          | 26           | 30.4        | 31.9          | 33.5  | 33.5    | 33.5  | 85           | 67          | 87          | 87          |
| FRANCE.....                    | 182             | 142         | 126          | 19.0        | 21.3          | 22.1  | 22.1    | 22.1  | 345          | 302         | 278         | 278         |
| GERMANY, WEST.....             | 992             | 865         | 860          | 29.8        | 30.8          | 34.9  | 34.9    | 34.9  | 2,952        | 2,665       | 3,000       | 3,000       |
| ITALY.....                     | 44              | 35          | 32           | 18.2        | 19.4          | 20.0  | 20.0    | 20.0  | 80           | 68          | 64          | 64          |
| LUXEMBOURG.....                | 3               | 1           | ---          | 22.7        | 30.0          | ---   | ---     | ---   | 7            | 3           | ---         | ---         |
| NETHERLANDS.....               | 76              | 56          | 60           | 29.6        | 30.7          | 33.3  | 33.3    | 33.3  | 225          | 172         | 200         | 200         |
| TOTAL EC 4/ ..                 | 1,325           | 1,120       | 1,105        | 27.9        | 29.3          | 32.9  | 32.9    | 32.9  | 3,694        | 3,277       | 3,634       | 3,634       |
| AUSTRIA.....                   | 146             | 137         | 137          | 26.2        | 26.5          | 28.9  | 28.9    | 28.9  | 382          | 363         | 396         | 396         |
| DENMARK.....                   | 50              | 44          | 41           | 30.9        | 30.5          | 32.2  | 32.2    | 32.2  | 154          | 134         | 132         | 132         |
| FINLAND.....                   | 88              | 66          | 60           | 16.6        | 19.8          | 19.0  | 19.0    | 19.0  | 146          | 131         | 114         | 114         |
| GREECE.....                    | 12              | 6           | 7            | 10.8        | 11.7          | 10.0  | 10.0    | 10.0  | 13           | 7           | 7           | 7           |
| NORWAY.....                    | 1               | 2           | 2            | 26.0        | 25.0          | 25.0  | 25.0    | 25.0  | 3            | 5           | 5           | 5           |
| PORTUGAL.....                  | 262             | 233         | 219          | 6.8         | 6.7           | 8.1   | 8.1     | 8.1   | 179          | 157         | 177         | 177         |
| SPAIN.....                     | 376             | 306         | 300          | 9.3         | 6.7           | 12.0  | 12.0    | 12.0  | 350          | 206         | 360         | 360         |
| SWEDEN.....                    | 60              | 80          | 82           | 28.2        | 28.5          | 35.0  | 35.0    | 35.0  | 169          | 228         | 287         | 287         |
| SWITZERLAND.....               | 15              | 11          | 11           | 35.2        | 40.9          | 36.4  | 36.4    | 36.4  | 53           | 45          | 40          | 40          |
| UNITED KINGDOM.....            | 5               | 4           | 5            | 26.0        | 35.0          | 30.0  | 30.0    | 30.0  | 13           | 14          | 15          | 15          |
| TOTAL WESTERN EUROPE 4/ ..     | 2,340           | 2,009       | 1,969        | 22.0        | 22.7          | 26.2  | 26.2    | 26.2  | 5,156        | 4,567       | 5,167       | 5,167       |
| BULGARIA.....                  | 33              | 24          | 20           | 11.9        | 12.1          | 12.5  | 12.5    | 12.5  | 39           | 29          | 25          | 25          |
| CZECHOSLOVAKIA.....            | 348             | 200         | 200          | 21.6        | 22.5          | 27.5  | 27.5    | 27.5  | 751          | 450         | 550         | 550         |
| GERMANY EAST.....              | 753             | 680         | 650          | 23.7        | 21.8          | 23.1  | 23.1    | 23.1  | 1,782        | 1,483       | 1,500       | 1,500       |
| HUNGARY.....                   | 209             | 149         | 150          | 11.7        | 10.8          | 12.0  | 12.0    | 12.0  | 245          | 161         | 180         | 180         |
| POLAND.....                    | 4,288           | 3,413       | 4,050        | 18.7        | 16.0          | 20.0  | 20.0    | 20.0  | 8,022        | 5,460       | 8,100       | 8,100       |
| ROMANIA.....                   | 68              | 44          | 45           | 11.5        | 10.2          | 11.1  | 11.1    | 11.1  | 78           | 45          | 50          | 50          |
| YUGOSLAVIA.....                | 136             | 112         | 120          | 11.4        | 11.3          | 11.3  | 11.3    | 11.3  | 155          | 126         | 135         | 135         |
| TOTAL EASTERN EUROPE.....      | 5,835           | 4,622       | 5,235        | 19.0        | 16.8          | 20.1  | 20.1    | 20.1  | 11,073       | 7,754       | 10,540      | 10,540      |
| TOTAL EUROPE 4/ ..             | 8,175           | 6,631       | 7,204        | 19.9        | 18.6          | 21.8  | 21.8    | 21.8  | 16,229       | 12,321      | 15,707      | 15,707      |
| U.S.S.R. (EUROPE AND ASIA) ... | 12,704          | 10,000      | 10,000       | 9.6         | 12.0          | 11.0  | 11.0    | 11.0  | 12,200       | 12,000      | 11,000      | 11,000      |
| ASIA:                          |                 |             |              |             |               |       |         |       |              |             |             |             |
| TURKEY.....                    | 717             | 650         | 640          | 10.8        | 10.5          | 11.9  | 11.9    | 11.9  | 771          | 680         | 760         | 760         |
| TOTAL.....                     | 717             | 650         | 640          | 10.8        | 10.5          | 11.9  | 11.9    | 11.9  | 771          | 680         | 760         | 760         |
| WORLD TOTAL 4/ ..              | 22,890          | 18,535      | 19,412       | 13.4        | 14.4          | 15.3  | 15.3    | 15.3  | 30,616       | 26,671      | 29,661      | 29,661      |

1/ Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1971 is combined with estimates for the Southern Hemisphere harvests, which begin late in 1971 and end early in 1972. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Estimated totals include allowances for producing countries not shown.

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## Grains and Feeds Circular

FG-C (10004) FG 14-71

The East European wheat crop, at 27.6 million tons, was 4.4 million tons higher for the year and 7 percent above average. All countries in the area showed improvement. Poland and Yugoslavia had record harvests, at 5.0 and 5.3 million tons, respectively. Wheat production in the Soviet Union is expected to be below the high level of 1970.

African wheat production is estimated at 7.8 million tons, up 5 percent. Improvement in the Moroccan crop was the principal factor. The wheat harvest in Asia is estimated at 71.8 million tons, 4 percent over 1970 and 22 percent above the 5-year average. Record crops in India and Turkey account for most of the gain. Drought reduced harvests in Iran and Pakistan.

Larger plantings in Southern Hemisphere countries, particularly in Australia and Argentina, indicate prospects for larger wheat harvests for that region later in the year.

### RYE

World rye production in 1971 is estimated at 29.7 million tons, 11 percent over 1970, but 3 percent below the 1965-69 average. Rye area was up 5 percent and yield was at a record level.

The rye harvest in North America totaled 2.0 million tons, 27 percent over 1970 and nearly double the 1965-69 average. Canada produced 625,000 tons of rye in 1971, up 10 percent. The U.S. crop at 1.3 million tons, was 36 percent larger than in 1970. This was the largest crop since 1942 and yield was at a record level.

West European rye production totaled 5.2 million tons, up 13 percent and just over the 5-year average. West Germany harvested 3.0 million tons, up 13 percent on improved yield.

Eastern Europe had a 10.5 million-ton crop, 36 percent over 1970. Poland produced 8.1 million tons, just over the 1965-69 average after a poor crop last year.

The Soviet rye crop is forecast moderately lower than that of a year ago. Turkish production is estimated 12 percent higher at 760,000 tons.

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## WORLD BARLEY AND OATS

### PRODUCTION BOTH HIGHER IN 1971

PROCUREMENT SECTION  
CURRENT SERIAL RECORDS

## BARLEY

World barley production in 1971 reached a record 127 million metric tons, 10 percent above the 1970 harvest, according to estimates of the Foreign Agricultural Service. World area and yield each gained 5 percent.

North American barley production totaled 24.5 million tons, up 34 percent. Canada harvested a record 14.0 million tons, up 55 percent, as large areas were diverted from wheat. The United States produced 10.2 million tons, 14 percent above 1970 and the largest crop since 1958.

Barley production in Western Europe totaled 40.0 million tons, up 14 percent. The EC harvest, at 15.7 million tons, was 12 percent higher. The French crop, at 8.6 million tons was up 7 percent. West Germany, Denmark, Spain and Sweden all had record harvests.

East European barley production, at 9.9 million tons, gained 12 percent, as crops improved in all countries of the area. The Soviet crop is expected to be down moderately from 1970

The African barley crop is estimated at 3.6 million tons, up 22 percent because of Morocco's very good outturn.

The Asian harvest, at 18.2 million tons was up 3 percent. Turkey had a record 4.0 million-ton crop.



BARLEY: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1965-69, ANNUAL 1970 AND 1971 1/

| CONTINENT AND COUNTRY          | AREA 2/     |             |             | YIELD       |       |         | PRODUCTION  |             |             |
|--------------------------------|-------------|-------------|-------------|-------------|-------|---------|-------------|-------------|-------------|
|                                | AVE.1965-69 | 1970        | 1971 3/     | AVE.1965-69 | 1970  | 1971 3/ | AVE.1965-69 | 1970        | 1971 3/     |
|                                | 1,000<br>HA | 1,000<br>HA | 1,000<br>HA | QU/HA       | QU/HA | QU/HA   | 1,000<br>MT | 1,000<br>MT | 1,000<br>MT |
| <b>NORTH AMERICA:</b>          |             |             |             |             |       |         |             |             |             |
| CANADA.....                    | 3,236       | 4,064       | 6,154       | 19.8        | 22.3  | 22.7    | 6,395       | 9,051       | 13,993      |
| MEXICO.....                    | 219         | 315         | ---         | 9.1         | 7.1   | ---     | 199         | 225         | ---         |
| UNITED STATES.....             | 3,855       | 3,902       | 4,130       | 22.6        | 22.9  | 24.8    | 8,702       | 8,930       | 10,230      |
| TOTAL 4/.....                  | 7,310       | 8,281       | 10,599      | 20.9        | 22.0  | 23.1    | 15,297      | 18,212      | 24,473      |
| <b>SOUTH AMERICA:</b>          |             |             |             |             |       |         |             |             |             |
| ARGENTINA.....                 | 458         | 356         | ---         | 11.2        | 13.3  | ---     | 511         | 367         | ---         |
| CHILE.....                     | 57          | 52          | ---         | 20.8        | 19.6  | ---     | 118         | 102         | ---         |
| COLOMBIA.....                  | 54          | 61          | 75          | 16.3        | 14.8  | 14.7    | 88          | 90          | 110         |
| ECUADOR.....                   | 107         | 110         | 110         | 9.5         | 10.0  | 9.5     | 101         | 110         | 105         |
| PERU.....                      | 176         | 185         | ---         | 9.6         | 9.5   | ---     | 158         | 175         | ---         |
| URUGUAY.....                   | 37          | 39          | ---         | 8.5         | 11.5  | ---     | 32          | 45          | ---         |
| TOTAL 4/.....                  | 889         | 863         | 715         | 11.5        | 11.1  | ---     | 1,019       | 889         | ---         |
| <b>EUROPE:</b>                 |             |             |             |             |       |         |             |             |             |
| BELGIUM.....                   | 157         | 170         | 152         | 35.8        | 30.9  | 39.5    | 563         | 525         | 601         |
| FRANCE.....                    | 2,696       | 2,929       | 2,718       | 31.9        | 27.3  | 31.6    | 8,604       | 9,009       | 9,601       |
| GERMANY, WEST.....             | 1,301       | 1,475       | 1,525       | 33.9        | 32.2  | 37.4    | 4,414       | 4,754       | 5,700       |
| ITALY.....                     | 179         | 180         | 185         | 15.4        | 17.5  | 18.7    | 270         | 315         | 346         |
| LUXEMBOURG.....                | 13          | 18          | ---         | 32.9        | 25.6  | ---     | 43          | 46          | ---         |
| NETHERLANDS.....               | 106         | 104         | 98          | 36.5        | 32.1  | 38.8    | 386         | 334         | 380         |
| TOTAL EC 4/.....               | 4,453       | 4,876       | 4,693       | 32.1        | 28.7  | 32.5    | 14,285      | 13,983      | 15,678      |
| AUSTRIA.....                   | 239         | 290         | 290         | 31.0        | 31.5  | 32.4    | 741         | 913         | 940         |
| DENMARK.....                   | 1,177       | 1,354       | 1,383       | 39.0        | 35.5  | 39.8    | 4,594       | 4,813       | 5,500       |
| FINLAND.....                   | 336         | 404         | 430         | 20.2        | 23.1  | 23.0    | 679         | 933         | 989         |
| GREECE.....                    | 321         | 343         | 377         | 19.1        | 22.7  | 21.5    | 580         | 779         | 810         |
| IRELAND.....                   | 188         | 218         | 240         | 34.4        | 34.4  | 35.4    | 647         | 750         | 950         |
| NORWAY.....                    | 184         | 184         | 184         | 27.0        | 31.5  | 33.4    | 496         | 580         | 614         |
| PORTUGAL.....                  | 116         | 105         | 105         | 5.9         | 5.1   | 7.3     | 69          | 54          | 77          |
| SPAIN.....                     | 1,693       | 2,157       | 2,200       | 16.7        | 14.3  | 20.0    | 2,830       | 3,092       | 4,400       |
| SWEDEN.....                    | 542         | 610         | 595         | 28.6        | 31.2  | 34.9    | 1,552       | 1,904       | 2,075       |
| SWITZERLAND.....               | 32          | 41          | 44          | 35.0        | 32.9  | 35.0    | 112         | 135         | 154         |
| UNITED KINGDOM.....            | 2,386       | 2,243       | 2,304       | 36.5        | 33.4  | 34.5    | 8,699       | 7,496       | 7,950       |
| TOTAL WESTERN EUROPE 4/.....   | 11,666      | 12,925      | 12,845      | 30.2        | 27.6  | 30.9    | 35,285      | 35,432      | 40,037      |
| BULGARIA.....                  | 398         | 460         | 475         | 23.4        | 22.0  | 23.2    | 930         | 1,012       | 1,100       |
| CZECHOSLOVAKIA.....            | 712         | 800         | 870         | 26.8        | 28.4  | 29.9    | 1,911       | 2,272       | 2,600       |
| GERMANY EAST.....              | 562         | 640         | 650         | 33.1        | 30.5  | 32.3    | 1,853       | 1,950       | 2,100       |
| HUNGARY.....                   | 441         | 284         | 300         | 21.2        | 19.6  | 22.0    | 935         | 556         | 660         |
| POLAND.....                    | 685         | 924         | 1,000       | 22.6        | 23.3  | 24.0    | 1,546       | 2,153       | 2,400       |
| ROMANIA.....                   | 266         | 287         | 320         | 19.8        | 17.8  | 18.8    | 527         | 511         | 600         |
| YUGOSLAVIA.....                | 351         | 280         | 300         | 16.6        | 14.4  | 15.6    | 582         | 402         | 468         |
| TOTAL EASTERN EUROPE.....      | 3,414       | 3,615       | 3,915       | 24.3        | 24.5  | 25.4    | 8,289       | 9,856       | 9,928       |
| TOTAL EUROPE 4/.....           | 15,080      | 16,500      | 16,760      | 28.9        | 26.8  | 29.6    | 43,573      | 44,288      | 49,965      |
| U.S.S.R. (EUROPE AND ASIA) ... | 20,017      | 21,300      | 22,000      | 11.5        | 12.8  | 12.3    | 23,020      | 29,500      | 27,000      |
| <b>AFRICA:</b>                 |             |             |             |             |       |         |             |             |             |
| ALGERIA.....                   | 544         | 688         | ---         | 6.9         | 5.1   | ---     | 377         | 350         | ---         |
| MOROCCO.....                   | 1,758       | 1,700       | 1,700       | 7.2         | 8.7   | 11.5    | 1,265       | 1,477       | 1,950       |
| SOUTH AFRICA, REP OF.....      | 43          | 40          | ---         | 7.3         | 6.8   | ---     | 31          | 27          | ---         |
| TUNISIA.....                   | 406         | 410         | ---         | 2.7         | 4.6   | ---     | 108         | 190         | ---         |
| UAR-EGYPT.....                 | 46          | 35          | ---         | 23.5        | 23.7  | ---     | 108         | 83          | ---         |
| TOTAL 4/.....                  | 3,796       | 3,873       | 3,880       | 7.2         | 7.7   | 9.3     | 2,739       | 2,977       | 3,627       |
| <b>ASIA:</b>                   |             |             |             |             |       |         |             |             |             |
| CYPRUS.....                    | 79          | 55          | 90          | 10.9        | 9.1   | 13.3    | 86          | 50          | 120         |
| INDIA.....                     | 2,855       | 2,765       | 2,597       | 9.2         | 9.8   | 11.0    | 2,635       | 2,716       | 2,865       |
| IRAN.....                      | 1,527       | 1,500       | 1,400       | 7.2         | 8.0   | 5.7     | 1,093       | 1,200       | 900         |
| IRAQ.....                      | 1,108       | 1,050       | ---         | 7.2         | 6.7   | ---     | 796         | 700         | ---         |
| ISRAEL.....                    | 42          | 17          | 30          | 9.0         | 7.6   | 8.3     | 38          | 13          | 25          |
| JAPAN.....                     | 341         | 225         | 166         | 28.1        | 25.5  | 30.8    | 993         | 573         | 512         |
| KOREA, REP OF.....             | 975         | 911         | ---         | 20.3        | 21.7  | ---     | 1,978       | 1,974       | ---         |
| PAKISTAN.....                  | 187         | 191         | 194         | 5.0         | 6.7   | 6.8     | 112         | 128         | 132         |
| SYRIAN ARAB REP.....           | 531         | 406         | 500         | 7.3         | 5.8   | 7.0     | 389         | 235         | 350         |
| TURKEY.....                    | 2,734       | 2,650       | 2,700       | 12.0        | 12.5  | 14.8    | 3,520       | 3,300       | 4,000       |
| TOTAL 4/.....                  | 17,218      | 16,488      | 16,317      | 10.7        | 10.7  | 11.2    | 18,419      | 17,719      | 18,224      |
| <b>OCEANIA:</b>                |             |             |             |             |       |         |             |             |             |
| AUSTRALIA.....                 | 1,183       | 2,064       | ---         | 11.2        | 12.0  | ---     | 1,323       | 2,472       | ---         |
| NEW ZEALAND.....               | 51          | 69          | ---         | 34.3        | 32.9  | ---     | 175         | 227         | ---         |
| TOTAL 4/.....                  | 1,235       | 2,133       | 2,621       | 12.1        | 12.7  | ---     | 1,498       | 2,699       | ---         |
| WORLD TOTAL 4/.....            | 65,544      | 69,378      | 72,892      | 16.1        | 16.8  | 17.5    | 105,564     | 116,284     | 127,418     |

1/ Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1971 is combined with estimates for Southern Hemisphere harvests which begin late in 1971 and end early in 1972. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Estimated totals include allowances for producing countries not shown.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.



OATS: AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES, YEAR OF HARVEST, AVERAGE 1965-69, ANNUAL 1970 AND 1971 1/

| CONTINENT AND COUNTRY          | AREA 2/     |             |             | YIELD       |       |         | PRODUCTION  |             |             |
|--------------------------------|-------------|-------------|-------------|-------------|-------|---------|-------------|-------------|-------------|
|                                | AVE.1965-69 | 1970        | 1971 3/     | AVE.1965-69 | 1970  | 1971 3/ | AVE.1965-69 | 1970        | 1971 3/     |
|                                | 1,000<br>HA | 1,000<br>HA | 1,000<br>HA | QU/HA       | QU/HA | QU/HA   | 1,000<br>MT | 1,000<br>MT | 1,000<br>MT |
| <b>NORTH AMERICA:</b>          |             |             |             |             |       |         |             |             |             |
| CANADA.....                    | 3,175       | 2,893       | 2,813       | 17.8        | 19.6  | 19.8    | 5,637       | 5,573       | 5,567       |
| MEXICO.....                    | 65          | 35          | ---         | 7.4         | 5.7   | ---     | 48          | 20          | ---         |
| UNITED STATES.....             | 7,114       | 7,519       | 6,351       | 18.0        | 17.6  | 20.2    | 12,792      | 13,201      | 12,841      |
| TOTAL 4/.....                  | 10,354      | 10,447      | 9,199       | 17.8        | 18.1  | 20.0    | 18,478      | 18,894      | 18,428      |
| <b>SOUTH AMERICA:</b>          |             |             |             |             |       |         |             |             |             |
| ARGENTINA.....                 | 424         | 300         | ---         | 12.4        | 12.0  | ---     | 525         | 360         | ---         |
| CHILE.....                     | 84          | 75          | 70          | 14.5        | 16.5  | 17.1    | 121         | 139         | 120         |
| URUGUAY.....                   | 87          | 75          | ---         | 7.7         | 10.4  | ---     | 67          | 78          | ---         |
| TOTAL 4/.....                  | 594         | 450         | 495         | 12.0        | 12.8  | ---     | 713         | 577         | ---         |
| <b>EUROPE:</b>                 |             |             |             |             |       |         |             |             |             |
| BELGIUM.....                   | 100         | 73          | 71          | 33.3        | 30.0  | 33.5    | 333         | 219         | 238         |
| FRANCE.....                    | 996         | 709         | 783         | 25.5        | 25.9  | 27.4    | 2,537       | 2,070       | 2,146       |
| GERMANY, WEST.....             | 799         | 825         | 930         | 32.5        | 30.1  | 35.3    | 2,596       | 2,484       | 2,930       |
| ITALY.....                     | 344         | 303         | 331         | 13.9        | 16.0  | 16.7    | 478         | 486         | 504         |
| LUXEMBOURG.....                | 14          | 12          | ---         | 26.9        | 38.3  | ---     | 38          | 46          | ---         |
| NETHERLANDS.....               | 89          | 54          | 45          | 28.8        | 37.2  | 38.4    | 345         | 201         | 173         |
| TOTAL EC 4/.....               | 2,341       | 2,066       | 2,042       | 27.0        | 26.7  | 29.5    | 6,327       | 5,506       | 6,024       |
| AUSTRIA.....                   | 121         | 102         | 102         | 25.4        | 26.7  | 26.7    | 300         | 272         | 272         |
| DENMARK.....                   | 221         | 182         | 189         | 37.8        | 34.7  | 37.6    | 835         | 631         | 710         |
| FINLAND.....                   | 484         | 552         | 570         | 20.9        | 25.3  | 25.0    | 1,010       | 1,395       | 1,425       |
| GREECE.....                    | 112         | 77          | 77          | 13.2        | 14.3  | 14.9    | 148         | 110         | 115         |
| IRELAND.....                   | 95          | 77          | 60          | 29.6        | 27.3  | 31.5    | 282         | 210         | 189         |
| NORWAY.....                    | 47          | 68          | 72          | 27.4        | 33.4  | 33.5    | 129         | 227         | 241         |
| PORTUGAL.....                  | 224         | 192         | 195         | 4.4         | 3.8   | 5.7     | 99          | 72          | 111         |
| SPAIN.....                     | 494         | 450         | 440         | 9.6         | 9.1   | 12.0    | 472         | 409         | 530         |
| SWEDEN.....                    | 460         | 509         | 514         | 27.9        | 33.1  | 37.7    | 1,308       | 1,685       | 1,938       |
| SWITZERLAND.....               | 9           | 11          | 10          | 35.8        | 26.4  | 35.0    | 32          | 29          | 35          |
| UNITED KINGDOM.....            | 390         | 376         | 365         | 32.7        | 32.8  | 32.9    | 1,275       | 1,233       | 1,200       |
| TOTAL WESTERN EUROPE 4/.....   | 5,008       | 4,662       | 4,636       | 24.4        | 25.3  | 27.6    | 12,227      | 11,779      | 12,790      |
| BULGARIA.....                  | 105         | 75          | 75          | 11.6        | 13.1  | 12.7    | 122         | 98          | 95          |
| CZECHOSLOVAKIA.....            | 398         | 410         | 390         | 21.0        | 22.9  | 23.1    | 836         | 940         | 900         |
| GERMANY EAST.....              | 264         | 210         | 250         | 30.4        | 26.6  | 32.0    | 802         | 558         | 800         |
| HUNGARY.....                   | 55          | 44          | 44          | 13.4        | 13.2  | 14.1    | 74          | 58          | 62          |
| POLAND.....                    | 1,385       | 1,530       | 1,300       | 20.0        | 21.0  | 21.5    | 2,769       | 3,214       | 2,800       |
| ROMANIA.....                   | 129         | 129         | 120         | 11.0        | 9.7   | 10.0    | 142         | 125         | 120         |
| YUGOSLAVIA.....                | 300         | 283         | 280         | 11.3        | 10.9  | 11.4    | 339         | 309         | 320         |
| TOTAL EASTERN EUROPE.....      | 2,637       | 2,681       | 2,459       | 19.3        | 19.8  | 20.7    | 5,083       | 5,302       | 5,097       |
| TOTAL EUROPE 4/.....           | 7,645       | 7,343       | 7,095       | 22.6        | 23.3  | 25.2    | 17,310      | 17,081      | 17,887      |
| U.S.S.R. (EUROPE AND ASIA) ... | 8,160       | 9,200       | 9,700       | 10.3        | 11.4  | 12.4    | 8,420       | 10,500      | 12,000      |
| <b>AFRICA:</b>                 |             |             |             |             |       |         |             |             |             |
| ALGERIA.....                   | 39          | ---         | ---         | 5.7         | ---   | ---     | 22          | ---         | ---         |
| MOROCCO.....                   | 17          | 22          | 22          | 9.6         | 10.0  | 10.0    | 16          | 22          | 22          |
| SOUTH AFRICA, REP OF.....      | 268         | 325         | ---         | 4.7         | 3.9   | ---     | 125         | 127         | ---         |
| TOTAL 4/.....                  | 324         | 387         | 372         | 5.0         | 4.4   | 4.3     | 164         | 169         | 159         |
| <b>ASIA:</b>                   |             |             |             |             |       |         |             |             |             |
| JAPAN.....                     | 47          | 27          | 20          | 21.3        | 22.6  | 23.5    | 100         | 61          | 47          |
| TURKEY.....                    | 381         | 320         | 310         | 12.0        | 13.0  | 14.5    | 459         | 415         | 450         |
| TOTAL 4/.....                  | 1,764       | 1,697       | 1,680       | 7.7         | 8.1   | 9.3     | 1,359       | 1,376       | 1,397       |
| <b>OCEANIA:</b>                |             |             |             |             |       |         |             |             |             |
| AUSTRALIA.....                 | 1,593       | 1,578       | ---         | 9.0         | 10.5  | ---     | 1,430       | 1,651       | ---         |
| NEW ZEALAND.....               | 15          | 18          | ---         | 30.2        | 27.2  | ---     | 45          | 49          | ---         |
| TOTAL 4/.....                  | 1,608       | 1,596       | 1,638       | 9.2         | 10.7  | ---     | 1,475       | 1,700       | ---         |
| WORLD TOTAL 4/.....            | 30,449      | 31,120      | 30,170      | 15.7        | 16.2  | 17.3    | 47,919      | 50,297      | 52,279      |

1/ Years shown refer to year of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1971 is combined with estimates for the Southern Hemisphere harvests which begin late in 1971 and end early in 1972. 2/ Harvested area as far as possible. 3/ Preliminary. 4/ Estimated totals include allowances for producing countries not shown.

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Australia has expanded barley area considerably and is expected to continue its uptrend in production.

OATS

World production of oats in 1971 is estimated at 52.3 million tons, up 4 percent for the year. Yields improved generally as overall area declined.

Oat production in North America, at 18.4 million tons, was down 2 percent. The Canadian crop was 2 percent lower at 5.6 million tons. The United States harvested 12.8 million tons of oats, down 3 percent, as yield exceeded the 1968 record.

The West European oat crop was 9 percent above 1970 at 12.8 million tons. The EC harvest, at 6.0 million tons, was likewise 9 percent higher. West Germany and Sweden had record production at 2.9 and 1.9 million tons, respectively.

Eastern Europe produced an estimated 5.1 million tons of oats, down 4 percent. The principal decline was in Poland. The Soviet oat crop in 1971 is estimated moderately higher.

Oat production in Africa and Asia is estimated little changed from 1970.



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## JULY 1 GRAIN STOCKS IN MAJOR

### EXPORTING COUNTRIES DOWN 18 PERCENT

Grain stocks in the United States, Canada, Argentina, and Australia on July 1, 1971, were 18 percent lower than a year earlier, according to estimates of the Foreign Agricultural Service. Stocks of wheat, rye, barley, oats, and corn in the four principal exporting countries totaled 120 million metric tons, down 26 million.

This decline in stocks resulted mainly from lower grain production in both the exporting and importing sectors and the attendant strong demand in the importing countries.

Wheat stocks on July 1 dropped 22 percent to 53.3 million tons. Stocks of barley fell 29 percent to 7.8 million tons and those of corn 14 percent to 46.5 million tons. Oat stocks were up 1 percent, at 10.7 million tons, and rye was up 20 percent, at 1.1 million tons.

The United States held stocks of the five grains totaling 71.1 million tons. Additionally, the U.S. had 4.5 million tons of grain sorghum, down from 8.9 million. This made total grain stocks of 75.7 million tons, down 20 percent for the season. U.S. wheat stocks at 19.9 million tons fell 17 percent, and corn at 39.7 million tons was off 19 percent. Barley stocks dropped 34 percent, as oats gained 4 percent and rye 32 percent.

(Continued)



Canada held 27.8 million tons of grain on July 1, 1971, 24 percent below a year earlier and the lowest since 1968. Canadian wheat at 22.2 million tons was also down 24 percent. Stocks of barley were 32 percent lower and oats were off 10 percent, while rye gained by 16 percent.

Argentine stocks rose 12 percent to 10.0 million tons. Wheat was off 11 percent at 2.9 million tons, but corn gained 28 percent to 6.8 million tons following a large corn harvest.

Australia's grain stocks totaled 10.5 million tons, down 26 percent, but still higher than at any time prior to 1969. Wheat at 8.4 million tons was off 32 percent. Oats declined 11 percent, but barley stocks were 55 percent higher.

## GRAINS: Estimated Stocks in Principal Exporting Countries, July 1, 1950-1971

| Country and year  | Wheat  | Rye   | Barley | Oats   | Corn   | Total   |
|-------------------|--------|-------|--------|--------|--------|---------|
| 1,000 Metric Tons |        |       |        |        |        |         |
| United States:    |        |       |        |        |        |         |
| Average 1950-54   | 14,259 | 202   | 1,606  | 3,619  | 31,903 | 51,589  |
| Average 1955-59   | 28,059 | 316   | 3,219  | 4,582  | 48,690 | 84,866  |
| 1960              | 35,745 | 266   | 3,640  | 3,876  | 64,061 | 107,588 |
| 1961              | 38,410 | 361   | 3,318  | 4,709  | 71,741 | 118,539 |
| 1962              | 35,979 | 200   | 2,688  | 4,010  | 63,067 | 105,944 |
| 1963              | 35,529 | 176   | 3,181  | 3,960  | 54,099 | 93,945  |
| 1964              | 24,532 | 135   | 2,865  | 4,534  | 60,636 | 92,702  |
| 1965              | 22,240 | 326   | 2,167  | 4,014  | 48,094 | 76,841  |
| 1966              | 14,565 | 483   | 2,281  | 4,590  | 45,285 | 67,204  |
| 1967              | 11,567 | 475   | 2,651  | 3,923  | 44,272 | 62,888  |
| 1968              | 14,681 | 458   | 2,997  | 3,958  | 55,296 | 77,390  |
| 1969              | 22,278 | 406   | 4,343  | 5,446  | 52,539 | 85,012  |
| 1970              | 24,076 | 539   | 5,160  | 7,119  | 48,848 | 85,742  |
| 1971 1/           | 19,872 | 709   | 3,398  | 7,429  | 39,734 | 71,142  |
| Canada:           |        |       |        |        |        |         |
| Average 1950-54   | 9,389  | 356   | 2,177  | 2,082  | 2/     | 14,004  |
| Average 1955-59   | 17,772 | 432   | 2,983  | 2,606  | 2/     | 23,793  |
| 1960              | 17,146 | 254   | 3,048  | 2,005  | 2/     | 22,453  |
| 1961              | 17,554 | 229   | 2,830  | 2,236  | 2/     | 22,849  |
| 1962              | 11,567 | 152   | 1,524  | 1,696  | 2/     | 14,939  |
| 1963              | 14,142 | 127   | 2,286  | 2,776  | 2/     | 19,341  |
| 1964              | 14,560 | 203   | 2,939  | 3,239  | 2/     | 20,941  |
| 1965              | 14,884 | 224   | 2,158  | 2,440  | 2/     | 19,706  |
| 1966              | 13,567 | 287   | 2,490  | 2,291  | 2/     | 18,635  |
| 1967              | 16,999 | 239   | 3,288  | 1,787  | 2/     | 22,313  |
| 1968              | 19,347 | 198   | 2,948  | 1,229  | 2/     | 23,722  |
| 1969              | 24,189 | 231   | 4,526  | 2,012  | 2/     | 30,958  |
| 1970              | 29,099 | 284   | 4,944  | 2,241  | 2/     | 36,568  |
| 1971 1/           | 22,154 | 330   | 3,347  | 2,015  | 2/     | 27,846  |
| Argentina:        |        |       |        |        |        |         |
| Average 1950-54   | 2,912  | 406   | 457    | 566    | 2,311  | 6,652   |
| Average 1955-59   | 4,300  | 483   | 588    | 508    | 3,531  | 9,410   |
| 1960              | 3,810  | 510   | 480    | 334    | 3,556  | 8,690   |
| 1961              | 2,722  | 254   | 435    | 580    | 3,556  | 7,547   |
| 1962              | 1,905  | 254   | 327    | 290    | 3,683  | 6,459   |
| 1963              | 2,585  | 205   | 305    | 360    | 3,175  | 6,630   |
| 1964              | 4,763  | 254   | 435    | 435    | 4,064  | 9,951   |
| 1965              | 7,185  | 230   | 110    | 290    | 3,505  | 11,320  |
| 1966              | 2,900  | 130   | 140    | 210    | 5,200  | 8,580   |
| 1967              | 1,570  | 70    | 150    | 160    | 4,600  | 6,550   |
| 1968              | 3,990  | 70    | 210    | 210    | 4,560  | 9,040   |
| 1969              | 2,625  | 100   | 155    | 140    | 4,195  | 7,215   |
| 1970              | 3,250  | 95    | 280    | 105    | 5,310  | 9,040   |
| 1971 1/           | 2,890  | 60    | 115    | 215    | 6,800  | 10,080  |
| Australia:        |        |       |        |        |        |         |
| Average 1950-54   | 2,994  | 2/    | 196    | 290    | 2/     | 3,480   |
| Average 1955-59   | 3,620  | 2/    | 370    | 580    | 2/     | 4,570   |
| 1960              | 3,946  | 2/    | 261    | 653    | 2/     | 4,860   |
| 1961              | 4,082  | 2/    | 544    | 580    | 2/     | 5,206   |
| 1962              | 2,667  | 2/    | 327    | 510    | 2/     | 3,504   |
| 1963              | 4,218  | 2/    | 435    | 510    | 2/     | 5,163   |
| 1964              | 3,184  | 2/    | 261    | 870    | 2/     | 4,315   |
| 1965              | 4,431  | 2/    | 333    | 336    | 2/     | 5,100   |
| 1966              | 3,279  | 2/    | 295    | 550    | 2/     | 4,124   |
| 1967              | 6,627  | 2/    | 363    | 965    | 2/     | 7,955   |
| 1968              | 4,305  | 2/    | 348    | 363    | 2/     | 5,016   |
| 1969              | 11,247 | 2/    | 574    | 950    | 2/     | 12,771  |
| 1970              | 12,299 | 2/    | 627    | 1,215  | 2/     | 14,141  |
| 1971 1/           | 8,412  | 2/    | 969    | 1,081  | 2/     | 10,462  |
| Total:            |        |       |        |        |        |         |
| Average 1950-54   | 29,554 | 964   | 4,436  | 6,557  | 34,214 | 75,725  |
| Average 1955-59   | 53,751 | 1,231 | 7,160  | 8,276  | 52,221 | 122,639 |
| 1960              | 60,647 | 1,030 | 7,429  | 6,868  | 67,617 | 143,591 |
| 1961              | 62,768 | 844   | 7,127  | 8,105  | 75,297 | 154,141 |
| 1962              | 52,118 | 606   | 4,866  | 6,506  | 66,750 | 130,846 |
| 1963              | 53,484 | 508   | 6,207  | 7,606  | 57,274 | 125,079 |
| 1964              | 47,039 | 592   | 6,500  | 9,078  | 64,700 | 127,909 |
| 1965              | 48,740 | 780   | 4,768  | 7,080  | 51,599 | 112,967 |
| 1966              | 34,311 | 900   | 5,206  | 7,641  | 50,485 | 98,543  |
| 1967              | 36,763 | 784   | 6,452  | 6,835  | 48,872 | 99,706  |
| 1968              | 42,323 | 726   | 6,503  | 5,760  | 59,856 | 115,123 |
| 1969              | 60,339 | 737   | 9,598  | 8,548  | 56,734 | 135,956 |
| 1970              | 68,724 | 918   | 11,011 | 10,680 | 54,158 | 145,491 |
| 1971 1/           | 53,328 | 1,099 | 7,829  | 10,740 | 46,534 | 119,530 |

1/ Preliminary. 2/ Production small and remaining stocks believed negligible.

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October 1971

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